VIENNA SYMPHONIC LIBRARY

Vienna Instruments
Orchestral Strings 1 & 2

Mapping Documentation

Orchestral Strings 1
Violins orchestra (14 players)
Violas orchestra (10 players)

Orchestral Strings 2
Celli orchestra (8 players)
Bassi orchestra (6 players)

Contents

Introduction

This document contains the mapping list for the Vienna Instruments Collections Orchestral Strings I and II. You will find in it a comprehensive survey of the articulations/patches for the Standard and the Extended Libraries of each instrument, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset in the Collections.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Where the type of articulation requires a special mapping (e.g., natural harmonics patches), the mapping layout will be shown in a detailed graphic.

Major and minor runs are always mapped to the keys of their scale, as are **arpeggios** to the keys of the broken chord played. **Grace notes** and **mordents** are mapped to their target note, i.e., the note the articulation ends with. Due to their nature, all **upward and downward articulations** (e.g., fixed glissandos and octave runs) have different mapping ranges – the upward movements ending the involved interval below the Patch's upper mapping range, while downward movements end the interval above its lower mapping range. (Please note that not all of the articulations mentioned above may be contained in your Collection.)

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly. For example, the A/B switches for double bass are A0 and A#0 because the instrument's lower range extends to B0.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller settings in the **Map Control** tab of the *Vienna Instruments* player's Advanced View, and save the result in your Custom Matrix folder.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 1–12; VI PRO: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

Library updates

If you purchased your Instrument Collection via download or on the *Vienna Hard Drive*, all previous library updates will already be included; if you own a DVD Collection, you can download the updates from your personal User Area. A general description of *Vienna Instruments PRO 2* Matrices and Presets included in these updates can be found in the Appendix "Vienna Instruments PRO 2 Matrices and Presets" on page 135.

Articulations

Orchestral Strings 1

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
21 Violins orchestra		
01 SHORT + LONG NOTES	Long staccato, short and long détaché, sustained with vibrato	Short staccato, sustained without vibrato, flautando sustained
02 DYNAMICS	Fortepiano and sforzato with vibrato	Medium crescendo and diminuendo with vibrato (1.5 and 3 sec.); strong crescendo and diminuendo with vibrato (1.5, 3, and 6 sec.); medium crescendo and diminuendo without vibrato (2 and 4 sec.); crescendo-diminuendo with vibrato (2, 4, and 6 sec.); sforzatissimo with vibrato; fortepiano, sforzato, and sforzatissimo without vibrato
03 TREMOLO + TRILLS	Tremolo sustained; trills half and whole tone	Tremolo crescendo and diminuendo 2 sec., crescendo-diminuendo 3 sec.; trills minor and major 3rd, half and whole tone dynamics and pfp, trills accelerando half and whole tone normal and dynamics
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Pizzicato slow, pizzicato repetitions slow and fast, col legno normal and slow
05 HARMONICS	Staccato, sustained	Repetition performances
06 PONTICELLO	Staccato, sustained, tremolo	Dynamics strong (1.5, 2, and 4 sec.), sforzato
07 CON SORDINO BASIC		Staccato, détaché, sustained, dynamics medium (2 and 4 sec.), fortepiano, sforzato, tremolo, trills normal and dynamics, pizzicato
10 PERF INTERVAL	Legato, portamento	Legato on the same string, tremolo, muted legato and portamento
11 PERF INTERVAL FAST	Legato	Marcato and spiccato
12 PERF TRILL		Trills, legato, minor 2nd to major 3rd
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, bow vibrato slow and fast, portato slow and fast, and harsh; dynamics for all articulations; muted legato, portato, and staccato repetitions, portato and staccato dynamics
14 PERF UPBEAT REPETITION		1 and 2 upbeats, slow and fast, normal and dynamics
15 FAST REPETITION		Staccato, 9 repetitions, 150 to 190 BPM, normal and dynamics
16 GRACE NOTES		Grace notes, minor and major 2nd, up and down
17 GLISSANDI		Glissando performances on every string, octave glissandos up and down

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
18 SCALE RUNS		Octave runs, legato, major and minor sharp from C to B on every note of the scale, chromatic and whole tone; and spiccato, major, from C to B on every note of the scale
22 Violas orchestra		
01 SHORT + LONG NOTES	Long staccato, short détaché, sustained with vibrato	Short staccato, long détaché, long portato and sustained without vibrato, flautando sustained
02 DYNAMICS	Fortepiano and sforzato with vibrato	Medium crescendo and diminuendo with vibrato (1.5 and 3 sec.); strong crescendo and diminuendo with vibrato (1.5, 3, and 6 sec.); medium crescendo and diminuendo without vibrato (2 and 4 sec.); crescendo-diminuendo with vibrato (2, 4, and 6 sec.); sforzatissimo with vibrato; fortepiano, sforzato, and sforzatissimo without vibrato
03 TREMOLO + TRILLS	Tremolo sustained; trills half and whole tone	Tremolo crescendo and diminuendo 2 sec., crescendo-diminuendo 3 sec.; trills half and whole tone dynamics and pfp; trills accelerando half and whole tone, normal and dynamics
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Pizzicato slow, pizzicato repetitions slow and fast, col legno normal and slow
05 HARMONICS	Staccato, sustained	Repetition performances
06 PONTICELLO	Staccato, sustained, tremolo	Dynamics strong (1.5, 2.5, and 4 sec.), sforzato
07 CON SORDINO BASIC		Staccato, détaché, sustained, dynamics medium (2 and 4 sec.), fortepiano, sforzato, tremolo, trills normal and dynamics, pizzicato
10 PERF INTERVAL	Legato, portamento	Legato on the same string, tremolo, muted legato and portamento
11 PERF INTERVAL FAST	Legato	Marcato and spiccato
12 PERF TRILL		Trills, legato, minor 2nd to major 3rd
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, bow vibrato slow and fast, portato slow and fast, and harsh; dynamics for all articulations; muted legato, portato, and staccato repetitions, legato and portato dynamics
14 PERF UPBEAT REPETITION		1 and 2 upbeats, slow and fast, normal and dynamics
15 FAST REPETITION		Staccato, 9 repetitions, 150 to 190 BPM, normal and dynamics
16 GRACE NOTES		Grace notes, minor and major 2nd, up and down
17 SCALE RUNS		Octave runs, legato, major and minor sharp from C to B on every note of the scale, chromatic, whole tone, and furioso; and spiccato, major, from C to B on every note of the scale

Orchestral Strings 2

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
23 Cellos orchestra		
01 SHORT + LONG NOTES	Long staccato, short détaché, sustained with vibrato	Short staccato, long détaché, long portato and sustained without vibrato, flautando sustained
02 DYNAMICS	Fortepiano and sforzato without vibrato	Medium crescendo and diminuendo with vibrato (1.5 and 3 sec.); strong crescendo and diminuendo with vibrato (1.5, 3, and 5 sec.); medium crescendo and diminuendo without vibrato (2 and 4 sec.); crescendo-diminuendo with vibrato (2, 4, and 6 sec.); sforzatissimo without vibrato; fortepiano, sforzato, and sforzatissimo with vibrato
03 TREMOLO + TRILLS	Tremolo sustained; trills half and whole tone	Tremolo crescendo and diminuendo 2 sec., crescendo-diminuendo 3 sec.; trills half and whole tone dynamics and pfp; trills accelerando half and whole tone, normal and dynamics
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Pizzicato with vibrato and slow, pizzicato repetitions slow and fast, col legno normal and slow
05 HARMONICS	Artificial harmonics: Staccato, sustained	Artificial harmonics: Repetition performances; Natural harmonics: Staccato, sustained
06 PONTICELLO	Staccato, sustained, tremolo	Dynamics strong (1.5, 2.5, and 4 sec.), sforzato
07 CON SORDINO BASIC		Staccato, détaché, sustained, dynamics medium (2 and 4 sec.), fortepiano, sforzato, tremolo, trills normal and dynamics, pizzicato
10 PERF INTERVAL	Legato, portamento	Legato on the same string, muted legato and portamento
11 PERF INTERVAL FAST	Legato	Marcato and spiccato
12 PERF TRILL		Trills, legato, minor 2nd to major 3rd
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, portato slow and fast, and harsh; dynamics for all articulations; muted legato, portato, and staccato repetitions, normal and dynamics
14 PERF UPBEAT REPETITION		1 and 2 upbeats, slow and fast, normal and dynamics
15 FAST REPETITION		Staccato, 9 repetitions, 150 to 190 BPM, normal and dynamics
16 GRACE NOTES		Grace notes, minor and major 2nd, up and down
17 SCALE RUNS		Octave runs, legato, major and minor sharp from C to B on every note of the scale, chromatic, whole tone, and furioso; and spiccato, major, from C to B on every note of the scale

Instrument/group	Level 1 (Standard) content	Level 2 (Extended) content
24 Basses orchestra		
01 SHORT + LONG NOTES	Long staccato, short détaché, sustained	Short staccato, long détaché, long portato, flautando sustained
02 DYNAMICS	Fortepiano and sforzato	Medium crescendo and diminuendo (2 and 3 sec.); strong crescendo and diminuendo (2, 3, and 5 sec.); crescendo-diminuendo (2, 4, and 6 sec.); sforzatissimo
03 TREMOLO + TRILLS	Tremolo sustained; trills half and whole tone	Tremolo crescendo and diminuendo, 2 and 4 sec.; trills half and whole tone, dynamics
04 PIZZ + LEGNO	Pizzicato normal and snap (Bartók)	Pizzicato slow; pizzicato repetitions slow and fast; col legno normal and slow
05 HARMONICS	Artificial harmonics: Staccato, sustained	Artificial harmonics: Repetition performances; Natural harmonics: Staccato, sustained
06 PONTICELLO	Staccato, sustained, tremolo	Dynamics strong, 4 sec.; sforzato
10 PERF INTERVAL	Legato, portamento	
11 PERF INTERVAL FAST	Legato	Marcato and spiccato
12 PERF TRILL		Trills, legato, minor 2nd to major 3rd
13 PERF REPETITION	Legato slow, staccato, spiccato	Legato fast, portato slow and fast, and harsh; dynamics for all articulations
14 SCALE RUNS		Octave runs, legato, major and minor sharp from C to B on every note of the scale; chromatic legato runs; and whole tone détaché, slow and fast

Abbreviations

Instruments

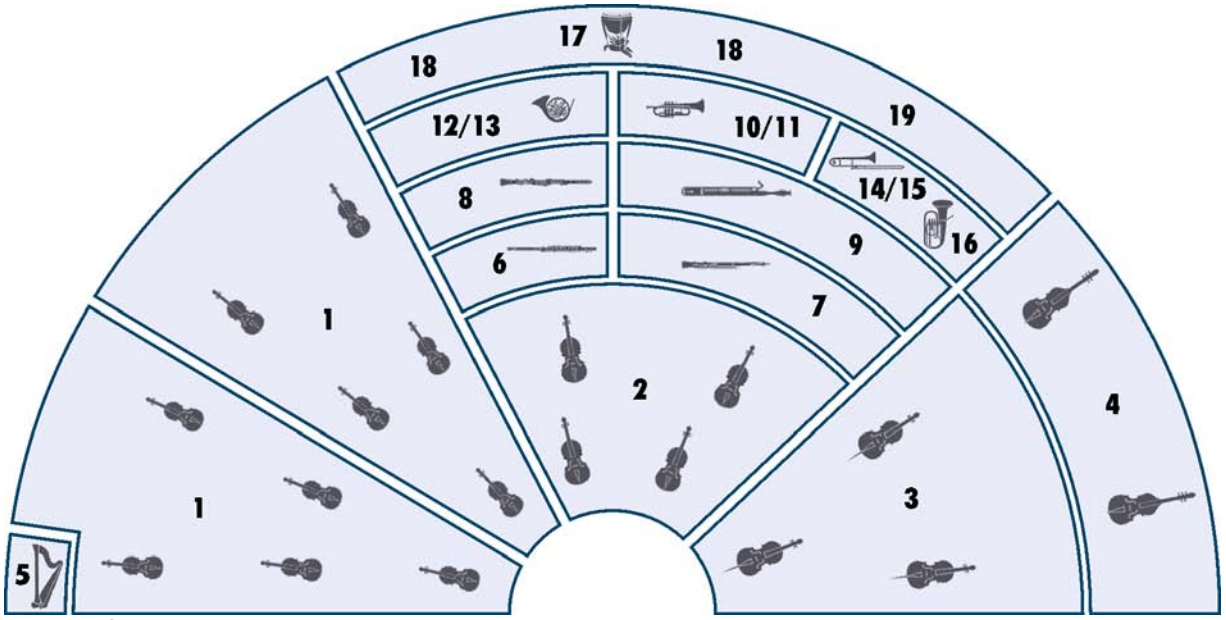
Abbreviation	English	German
DB	Double bass	Kontrabass
DB-6	Double bass ensemble (6 players)	
VA	Viola	Viola
VA-10	Viola ensemble (10 players)	
VC	Cello	Cello
VC-8	Cello ensemble (8 players)	
VI	Violin	Violine
VI-14	Violin ensemble (14 players)	

Articulations and other abbreviations

Abbreviation	Meaning	Abbreviation	Meaning
150, 160, …	150, 160, … BPM (beats per minute)	marc	marcato
1s, 2s, …	tone length 1 sec., 2 sec., …	me	medium
acc	accelerando	mi	minor
all	combination of all Patches of a category	noVib	without vibrato
		perf-rep	repetition performance
bow	bow vibrato	pizz	pizzicato
cre	crescendo	pon	ponticello
dim	diminuendo	por	portato
dyn	dynamics (crescendo and diminuendo)	porta	portamento
		run	octave run
dyn5, dyn9	dynamics, 5/9 repetitions	sl	slow
fa	fast	spi, spic	spiccato
fA	fast attack	sta, stac	staccato
fA_auto	attack automation (normal/fast attack)	str	strong
		sul	on the same string
fast-rep	fast repetitions	sus	sustained
gliss	glissando	trem	tremolo
harm	harmonics (flageolet)	Vib	with vibrato
harm-art	artificial harmonics	Vib-down	fading vibrato
harm-nat	natural harmonics	Vib-espr	vibrato espressivo
leg	legato	Vib-progr	progressive vibrato
ma	major	XF	cell crossfade Matrix

The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.



1 1st and 2nd violin
2 Viola
3 Cello
4 Double bass
5 Harp
6 Concert flute, piccolo
7 Oboe, English horn
8 Clarinet, bass clarinet
9 Bassoon, contrabassoon
10/11 Trumpet
12/13 Horn
14/15 Trombone
16 Tuba
17 Timpani
18 Drums, cymbals
19 other percussion instruments

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

20 Strings orchestra

Patches

01 BASIC ARTICULATIONS

Orchestra Strings: Long staccato, short and long détaché, sustained, fortepiano, sforzato, tremolo, and pizzicato.
A combination of all string sections mapped together.

01 Strings_staccato_long **Range: B0–A#7** **Samples: 770** **RAM: 48 MB** **Level 1**

Long staccato
4 velocity layers
4 Alternations

02 Strings_detache_short **Range: B0–C#7** **Samples: 720** **RAM: 45 MB** **Level 1**

Short détaché
4 velocity layers
4 Alternations

03 Strings_detache_long **Range: B0–C#7** **Samples: 674** **RAM: 42 MB** **Level 1**

Long détaché
4 velocity layers
4 Alternations

04 Strings_sus_Vib **Range: B0–A#7** **Samples: 627** **RAM: 39 MB** **Level 1**

Sustained with vibrato
4 velocity layers
Release samples

05 Strings_fp **Range: B0–C#7** **Samples: 94** **RAM: 5 MB** **Level 1**

Fortepiano
1 velocity layer
2 Alternations

06 Strings_sfz **Range: B0–C#7** **Samples: 94** **RAM: 5 MB** **Level 1**

Sforzato
1 velocity layer
2 Alternations

07 Strings_tremolo **Range: B0–D7** **Samples: 524** **RAM: 32 MB** **Level 1**

Tremolo
3 velocity layers
Release samples

08 Strings_pizz **Range: B0–D7** **Samples: 473** **RAM: 29 MB** **Level 1**

Pizzicato
3 velocity layers
4 Alternations

Matrices

Orchestra Strings - Combi **Samples: 3976 RAM: 248 MB** **Level 1**

Double bass, cello, viola, and violin single notes: Long staccato, short and long détaché, sustained, fortepiano, sforzato, tremolo, pizzicato

Matrix switches: Horizontal: Keyswitches, E7–B7

	H1	H2	H3	H4	H5	H6	H7	H8
V1	stac. long	dét. short	dét. long	sus	fp	sfz	tremolo	pizz.

Presets

Orchestra Strings VSL Preset **Samples: 3976 RAM: 248 MB** **Level 1**

Chamber Strings combination
Long staccato, short and long détaché, sustained, fortepiano, sforzato, tremolo, pizzicato

21 Violins orchestra

Description

The violin, as the smallest of the stringed instruments, is the soprano instrument of the violin family (violin, viola, cello).

Since the Baroque era the strings – the most homogeneous of all instrument groups – have been the heart of the orchestra. Violins are always used in chorus and divided into 1st and 2nd violins. Modern string sections use 14 first and 12 second violins (in especially large orchestras 16 first and 14 second violins).

Range and notation

The violin has a range of G3–A7 (harmonic D8).

It is a non-transposing instrument and notated in treble clef.

Sound characteristics

Full, lively, singing, eloquent, introspective, supernatural, sensuous, lustrous, bright, metallic, vibrant, clear, glassy, flute-like, shrill, brilliant, sparkling, calm, thin, whistling, round, pure, muffled, solemn, austere, dark, muted, open, sustaining, rough, wafting, soft, sweet, merry, dancing, veiled.

The 1st violins generally play the higher part, which is usually the main melody. The 2nd violins often play the part of "lower sisters". They often play an octave below, darkening the overall timbre.

Combination with other instruments

All stringed instruments form a group with a homogeneous overall sound and perform tasks ranging from the subtlest tonal effects to the most eloquent reinforcements of sound and from the greatest possible tonal compactness to the greatest possible diversity. The violins' pizzicato blends well with the harp.

Woodwinds, generally speaking, provide the strings with more volume and power, while the strings make the woodwinds more mellow, especially when playing in *unison*.

The tonal blend with brass instruments is not as desirable. Perhaps the horn blends most successfully with violins, especially in concert with the cellos.

Patches

01 SHORT + LONG NOTES

Single note articulations
Level 1: Long staccato, short détaché, sustained with vibrato, flautando sustained
Level 2: Short staccato, long détaché, sustained without vibrato

01 VI-14_staccato_short **Range: G3–C#7** **Samples: 336** **RAM: 21 MB** **Level 2**

Short staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

02 VI-14_staccato_long **Range: G3–A#7** **Samples: 385** **RAM: 24 MB** **Level 1**

Long staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

03 VI-14_detache_short **Range: G3–C#7** **Samples: 336** **RAM: 21 MB** **Level 1**

Short détaché
4 velocity layers: 0–55 pp; 56–88 p; 89–108 mf; 109–127 f
4 Alternations

04 VI-14_detache_long **Range: G3–C#7** **Samples: 328** **RAM: 20 MB** **Level 2**

Long détaché
4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

10 VI-14_sus_Vib **Range: G3–A#7** **Samples: 341** **RAM: 21 MB** **Level 1**

Sustained, vibrato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
Release samples

11 VI-14_sus_Vib_fA **Range: G3–A#7** **Samples: 341** **RAM: 21 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
4 velocity layers
Release samples

12 VI-14_sus_Vib_fA_auto **Range: G3–A#7** **Samples: 533** **RAM: 33 MB** **Level 1**

Sustained, vibrato
Attack automation
Monophonic
4 velocity layers
Release samples

13 VI-14_sus_noVib **Range: G3–D7** **Samples: 124** **RAM: 7 MB** **Level 2**

Sustained, no vibrato
2 velocity layers: 0–88 p; 89–127 f
Release samples

14 VI-14_sus_noVib_fA **Range: G3–D7** **Samples: 124** **RAM: 7 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
2 velocity layers
Release samples

15 VI-14_sus_noVib_fA_auto **Range: G3–D7** **Samples: 166** **RAM: 10 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
2 velocity layers
Release samples

16 VI-14_sus_flautando **Range: G3–D7** **Samples: 42** **RAM: 2 MB** **Level 1**

Sustained, flautando
1 velocity layer: 0–127 pp
Release samples

17 VI-14_sus_flautando_fA **Range: G3–D7** **Samples: 42** **RAM: 2 MB** **Level 2**

Sustained, flautando
Optimized attack for legato
1 velocity layer
Release samples

18 VI-14_sus_flautando_fA_auto **Range: G3–D7** **Samples: 63** **RAM: 3 MB** **Level 1**

Sustained, flautando
Attack automation
Monophonic
1 velocity layer
Release samples

02 DYNAMICS **Range: G3–C#7**

Dynamics
Level 1: Fortepiano and sforzato with vibrato
Level 2: Medium crescendo and diminuendo with vibrato (1.5 and 3 sec.); strong crescendo and diminuendo with vibrato (1.5, 3, and 6 sec.); medium crescendo and diminuendo without vibrato (2 and 4 sec.); crescendo-diminuendo with vibrato (2, 4, and 6 sec.); sforzatissimo with vibrato; fortepiano, sforzato, and sforzatissimo without vibrato

01 VI-14_dyn-me_Vib_1'5s **Samples: 164** **RAM: 10 MB** **Level 2**

Medium dynamics, 1.5 sec., vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

02 VI-14_dyn-me_Vib_3s **Samples: 164** **RAM: 10 MB** **Level 2**

Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/f-mf
AB switch: crescendo/diminuendo

03 VI-14_dyn-str_Vib_1'5s **Samples: 82** **RAM: 5 MB** **Level 2**

Strong dynamics, 1.5 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

04 VI-14_dyn-str_Vib_3s **Samples: 82** **RAM: 5 MB** **Level 2**

Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 VI-14_dyn-str_Vib_6s **Samples: 82** **RAM: 5 MB** **Level 2**

Strong dynamics, 6 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 VI-14_dyn-me_noVib_2s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

07 VI-14_dyn-me_noVib_4s **Samples: 84** **RAM: 5 MB** **Level 2**

Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p-mf/mf-pp; 89–127 mf-f/ff-mf
AB switch: crescendo/diminuendo

08 VI-14_pfp_Vib_2s **Samples: 21** **RAM: 1 MB** **Level 2**

Crescendo-diminuendo, 2 sec., with vibrato
2 velocity layers: 0–88 p-mf; 89–127 mf-f

09 VI-14_pfp_Vib_4s **Samples: 42** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, 4 sec., with vibrato
2 velocity layers: 0–88 p-mf; 89–127 mf-f

10 VI-14_pfp_Vib_6s **Samples: 42** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, 6 sec., with vibrato
2 velocity layers: 0–88 p-mf; 89–127 mf-f

11 VI-14_fp_Vib **Samples: 41** **RAM: 2 MB** **Level 1**

Fortepiano, vibrato
1 velocity layer
2 Alternations

12 VI-14_sfz_Vib **Samples: 41** **RAM: 2 MB** **Level 1**

Sforzato, vibrato
1 velocity layer
2 Alternations

13 VI-14_sffz_Vib **Samples: 41** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

14 VI-14_fp_noVib **Range: G3–D7** **Samples: 22** **RAM: 1 MB** **Level 2**

Fortepiano, no vibrato
1 velocity layer

15 VI-14_sfz_noVib **Range: G3–D7** **Samples: 22** **RAM: 1 MB** **Level 2**

Sforzato, no vibrato
1 velocity layer

16 VI-14_sffz_noVib **Range: G3–D7** **Samples: 22** **RAM: 1 MB** **Level 2**

Sforzatissimo, no vibrato
1 velocity layer

03 TREMOLO + TRILLS Range: G3–D7

Tremolo and trills
Level 1: Tremolo sustained; trills half and whole tone
Level 2: Tremolo crescendo and diminuendo 2 sec., crescendo-diminuendo 3 sec.; trills minor and major 3rd, half and whole tone dynamics and pfp, trills accelerando half and whole tone normal and dynamics

01 VI-14_trem_sus **Samples: 242** **RAM: 15 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff
Release samples

02 VI-14_trem_sus_fA **Samples: 242** **RAM: 15 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 VI-14_trem_sus_fA_auto **Samples: 363** **RAM: 22 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

04 VI-14_trem_dyn_2s **Samples: 82** **RAM: 5 MB** **Level 2**

Tremolo crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

05 VI-14_trem_pfp_3s **Samples: 41** **RAM: 2 MB** **Level 2**

Tremolo crescendo-diminuendo, 3 sec.
1 velocity layer

10 VI-14_trill_1 **Range: G3–C#7** **Samples: 84** **RAM: 5 MB** **Level 1**

Trills: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VI-14_trill_2 **Range: G3–C#7** **Samples: 82** **RAM: 5 MB** **Level 1**

Trills: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 VI-14_trill_3 **Range: G3–E7** **Samples: 87** **RAM: 5 MB** **Level 2**

Trills: Minor 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples

14 VI-14_trill_4 **Range: G3–E7** **Samples: 90** **RAM: 5 MB** **Level 2**

Trills: Major 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples

15 VI-14_trill_1_dyn **Range: G3–C#7** **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

16 VI-14_trill_2_dyn **Range: G3–C#7** **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

17 VI-14_trill_1_pfp **Range: G3–C#7** **Samples: 21** **RAM: 1 MB** **Level 2**

Trills: Half tone, crescendo-diminuendo
1 velocity layer

18 VI-14_trill_2_pfp **Range: G3–C#7** **Samples: 21** **RAM: 1 MB** **Level 2**

Trills: Whole tone, crescendo-diminuendo
1 velocity layer

19 VI-14_trill-acc_1 **Range: G3–C#7** **Samples: 84** **RAM: 5 MB** **Level 2**

Trills: Accelerando, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

20 VI-14_trill-acc_2 **Range: G3–C#7** **Samples: 84** **RAM: 5 MB** **Level 2**

Trills: Accelerando, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

21 VI-14_trill-acc_1_dyn **Range: G3–C#7** **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Accelerando, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

22 VI-14_trill-acc_2_dyn **Range: G3–C#7** **Samples: 42** **RAM: 2 MB** **Level 2**

Trills: Accelerando, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ + LEGNO **Range: G3–D7**

Pizzicato and col legno
Level 1: Pizzicato normal and snap (Bartók)
Level 2: Pizzicato slow, pizzicato repetitions slow and fast, col legno normal and slow

01 VI-14_pizz **Samples: 252** **RAM: 15 MB** **Level 1**

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff
4 Alternations

02 VI-14_pizz_slow **Samples: 168** **RAM: 10 MB** **Level 2**

Pizzicato, slow
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

03 VI-14_pizz_snap **Samples: 84** **RAM: 5 MB** **Level 1**

Snap pizzicato
1 velocity layer: 0–127 ff
4 Alternations

04 VI-14_pizz_perf-rep_sl **Samples: 210** **RAM: 13 MB** **Level 2**

Pizzicato, slow
2 velocity layers: 0–88 p; 89–127 f

05 VI-14_pizz_perf-rep_fa **Samples: 378** **RAM: 23 MB** **Level 2**

Pizzicato, fast
2 velocity layers: 0–88 p; 89–127 f

11 VI-14_col-legno **Samples: 168** **RAM: 10 MB** **Level 2**

Col legno
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

12 VI-14_col-legno_slow **Samples: 168** **RAM: 10 MB** **Level 2**

Col legno, slow
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

05 HARMONICS — Range: G4–D7

Artificial harmonics
Level 1: Staccato, sustained
Level 2: Repetition performances
Harmonics patches are mapped an octave lower than they sound.

01 VI-14_harm-art_stac — **Samples: 30** — **RAM: 1 MB** — **Level 1**

Artificial harmonics: Staccato
1 velocity layer: 0–127 mf
2 Alternations

02 VI-14_harm-art_sus — **Samples: 30** — **RAM: 1 MB** — **Level 1**

Artificial harmonics: Sustained
1 velocity layer: 0–127 mf
Release samples

03 VI-14_harm-art_sus_fA — **Samples: 30** — **RAM: 1 MB** — **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
1 velocity layer
Release samples

04 VI-14_harm-art_sus_fA_auto — **Samples: 45** — **RAM: 2 MB** — **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
1 velocity layer
Release samples
2 Alternations

05 VI-14_harm-art_perf-rep — **Samples: 75** — **RAM: 4 MB** — **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer: 0–127 mf

06 PONTICELLO — Range: G4–D7

Ponticello – bowed near the bridge, giving a louder, brighter sound.
Level 1: Staccato, sustained, tremolo
Level 2: Dynamics strong (1.5, 2, and 4 sec.), sforzato

01 VI-14_pon_staccato — **Samples: 88** — **RAM: 5 MB** — **Level 1**

Ponticello staccato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

02 VI-14_pon_sus — **Samples: 84** — **RAM: 5 MB** — **Level 1**

Ponticello sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VI-14_pon_sus_fA **Samples: 84** **RAM: 5 MB** **Level 2**

Ponticello sustained
Optimized attack for legato
2 velocity layers
Release samples

04 VI-14_pon_sus_fA_auto **Samples: 126** **RAM: 7 MB** **Level 2**

Ponticello sustained
Attack automation
Monophonic
2 velocity layers
Release samples

05 VI-14_pon_dyn-str_1'5s **Samples: 42** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 1.5 sec.
1 velocity layer
AB switch: crescendo/diminuendo

06 VI-14_pon_dyn-str_2s **Samples: 42** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

07 VI-14_pon_dyn-str_4s **Samples: 44** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

08 VI-14_pon_sfz **Samples: 22** **RAM: 1 MB** **Level 2**

Ponticello sforzato
1 velocity layer

09 VI-14_pon_trem **Samples: 84** **RAM: 5 MB** **Level 1**

Ponticello tremolo
2 velocity layers: 0–88 p; 89–127 f
Release samples

10 VI-14_pon_trem_fA **Samples: 84** **RAM: 5 MB** **Level 2**

Ponticello tremolo
Optimized attack for legato
2 velocity layers
Release samples

11 VI-14_pon_trem_fA_auto **Samples: 126** **RAM: 7 MB** **Level 1**

Ponticello tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

07 CON SORDINO BASIC Range: G3–D7

Con sordino (muted)
Level 2: Staccato, détaché, sustained, dynamics medium (2 and 4 sec.), fortepiano, sforzato, tremolo, trills normal and dynamics, pizzicato

01 VI-14_mu_staccato Samples: 84 RAM: 5 MB Level 2

Muted, staccato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

02 VI-14_mu_detache Samples: 84 RAM: 5 MB Level 2

Muted, détaché
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

10 VI-14_mu_sus_Vib Samples: 84 RAM: 5 MB Level 2

Muted, sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VI-14_mu_sus_Vib_fA Samples: 84 RAM: 5 MB Level 2

Muted, sustained
Optimized attack for legato
2 velocity layers
Release samples

12 VI-14_mu_sus_Vib_fA_auto Samples: 126 RAM: 7 MB Level 2

Muted, sustained
Attack automation
Monophonic
2 velocity layers
Release samples

21 VI-14_mu_dyn-me_2s Samples: 84 RAM: 5 MB Level 2

Muted, medium dynamics, 2 sec.
2 velocity layers: 0–88 p-mf/mf-pp; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

22 VI-14_mu_dyn-me_4s Samples: 84 RAM: 5 MB Level 2

Muted, medium dynamics, 4 sec.
2 velocity layers: 0–88 pp-mf/mf-pp; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

23 VI-14_mu_fp Samples: 21 RAM: 1 MB Level 2

Muted, fortepiano
1 velocity layer

24 VI-14_mu_sfz Samples: 21 RAM: 1 MB Level 2

Muted, sforzato
1 velocity layer

31 VI-14_mu_trem_sus **Samples: 84** **RAM: 5 MB** **Level 2**

Muted, tremolo
2 velocity layers: 0–88 p; 89–127 f
Release samples

32 VI-14_mu_trem_sus_fA **Samples: 84** **RAM: 5 MB** **Level 2**

Muted, tremolo
Optimized attack for legato
2 velocity layers
Release samples

33 VI-14_mu_trem_sus_fA_auto **Samples: 126** **RAM: 7 MB** **Level 2**

Muted, tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

34 VI-14_mu_trill_1 **Range: G3–C#7** **Samples: 84** **RAM: 5 MB** **Level 2**

Trills, muted: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

35 VI-14_mu_trill_2 **Range: G3–C#7** **Samples: 84** **RAM: 5 MB** **Level 2**

Trills, muted: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

36 VI-14_mu_trill_1_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills, muted: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

37 VI-14_mu_trill_2_dyn **Samples: 42** **RAM: 2 MB** **Level 2**

Trills, muted: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

41 VI-14_mu_pizz **Samples: 168** **RAM: 10 MB** **Level 2**

Muted, pizzicato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

10 PERF INTERVAL — Range: G3–C7

Interval performances
Level 1: Legato, portamento
Level 2: Legato on the same string, tremolo, muted legato and portamento

01 VI-14_perf-legato — **Range: G3–D7** — **Samples: 1174** — **RAM: 73 MB** — **Level 1**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VI-14_perf-legato_sus-4V — **Range: G3–D7** — **Samples: 1389** — **RAM: 86 MB** — **Level 2**

Legato with 4 velocity layers in the sustains
Monophonic
4 velocity layers: Legato: 0–88 p; 89–127 f
Sustained: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
Release samples

03 VI-14_perf-legato_sul — **Samples: 965** — **RAM: 60 MB** — **Level 2**

Legato on the same string
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 VI-14_perf-portamento — **Samples: 565** — **RAM: 35 MB** — **Level 1**

Portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

05 VI-14_perf-tremolo — **Samples: 636** — **RAM: 39 MB** — **Level 2**

Tremolo
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VI-14_mu_perf-legato — **Samples: 940** — **RAM: 58 MB** — **Level 2**

Muted, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VI-14_mu_perf-portamento — **Range: G3–D7** — **Samples: 544** — **RAM: 34 MB** — **Level 2**

Muted, portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

11 PERF INTERVAL FAST — Range: G3–D7

Interval performances, fast
Level 1: Legato
Level 2: Marcato and spiccato

01 VI-14_perf-legato_fa — Samples: 1424 RAM: 89 MB — Level 1

Legato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VI-14_perf-marcato_fa — Samples: 1434 RAM: 89 MB — Level 2

Marcato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VI-14_perf-spiccato_fa — Samples: 1225 RAM: 76 MB — Level 2

Spiccato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f

12 PERF TRILL — Range: G3–D7

Multi interval performances
Level 2: Trills, legato, minor 2nd to 4th

01 VI-14_perf-trill_leg — Samples: 2998 RAM: 187 MB — Level 2

Trills, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 PERF REPETITION — Range: G3–D7

Repetition performances
Level 1: Legato slow, portato fast, spiccato
Level 2: Legato fast, bow vibrato slow and fast, portato slow, staccato, harsh; dynamics for all articulations; muted legato, portato, and staccato repetitions, portato and staccato dynamics

01 VI-14_perf-rep_leg-sl — Samples: 315 RAM: 19 MB — Level 1

Legato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VI-14_perf-rep_leg-fa — Samples: 315 RAM: 19 MB — Level 2

Legato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VI-14_perf-rep_bow-sl **Samples: 315** **RAM: 19 MB** **Level 2**

Bow vibrato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VI-14_perf-rep_bow-fa **Samples: 315** **RAM: 19 MB** **Level 2**

Bow vibrato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VI-14_perf-rep_por-sl **Samples: 210** **RAM: 13 MB** **Level 2**

Portato, slow
2 velocity layers: 0–88 mf; 89–127 ff

06 VI-14_perf-rep_por-fa **Range: G3–A6** **Samples: 513** **RAM: 32 MB** **Level 1**

Portato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

07 VI-14_perf-rep_sta **Range: G3–A6** **Samples: 513** **RAM: 32 MB** **Level 2**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

08 VI-14_perf-rep_spi **Samples: 567** **RAM: 35 MB** **Level 2**

Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

09 VI-14_perf-rep_harsh **Samples: 189** **RAM: 11 MB** **Level 1**

Harsh
1 velocity layer: 0–127 ff

11 VI-14_mu_perf-rep_leg **Samples: 210** **RAM: 13 MB** **Level 2**

Muted, legato
2 velocity layers: 0–88 p; 89–127 f

12 VI-14_mu_perf-rep_por **Samples: 378** **RAM: 23 MB** **Level 2**

Muted, portato
2 velocity layers: 0–88 p; 89–127 f

13 VI-14_mu_perf-rep_sta **Samples: 378** **RAM: 23 MB** **Level 2**

Muted, staccato
2 velocity layers: 0–88 p; 89–127 f

21 VI-14_perf-rep_dyn5_leg-sl **Samples: 210** **RAM: 13 MB** **Level 2**

Legato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 VI-14_perf-rep_dyn5_leg-fa **Samples: 210** **RAM: 13 MB** **Level 2**

Legato dynamics, fast, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 VI-14_perf-rep_dyn5_bow-sl **Samples: 210** **RAM: 13 MB** **Level 2**

Bow vibrato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 VI-14_perf-rep_dyn5_bow-fa **Samples: 210** **RAM: 13 MB** **Level 2**

Bow vibrato dynamics, fast, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 VI-14_perf-rep_dyn9_por-fa **Range: G3–A6** **Samples: 342** **RAM: 21 MB** **Level 2**

Portato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

26 VI-14_perf-rep_dyn9_sta **Range: G3–A6** **Samples: 342** **RAM: 21 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

27 VI-14_perf-rep_dyn9_spi **Samples: 378** **RAM: 23 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

28 VI-14_perf-rep_dyn9_harsh **Samples: 378** **RAM: 23 MB** **Level 2**

Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

31 VI-14_mu_perf-rep_dyn9_por **Samples: 378** **RAM: 23 MB** **Level 2**

Muted portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

32 VI-14_mu_perf-rep_dyn9_sta **Samples: 378** **RAM: 23 MB** **Level 2**

Muted staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 PERF UPBEAT REPETITION **Range: G3–D7**

Repetition performances
Level 2: 1 and 2 upbeats, slow and fast, normal and dynamics

01 VI-14_perf-rep_UB-a1_sl **Samples: 168** **RAM: 10 MB** **Level 2**

1 upbeat, slow
2 velocity layers: 0–88 p; 89–127 f

02 VI-14_perf-rep_UB-a2_sl **Samples: 168** **RAM: 10 MB** **Level 2**

2 upbeats, slow
2 velocity layers: 0–88 p; 89–127 f

03 VI-14_perf-rep_UB-a1_fa **Samples: 168** **RAM: 10 MB** **Level 2**

1 upbeat, fast
2 velocity layers: 0–88 p; 89–127 f

04 VI-14_perf-rep_UB-a2_fa **Samples: 168** **RAM: 10 MB** **Level 2**

2 upbeats, fast
2 velocity layers: 0–88 p; 89–127 f

11 VI-14_perf-rep_dyn4_UB-a1_sl **Samples: 168** **RAM: 10 MB** **Level 2**

1 upbeat, slow, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 VI-14_perf-rep_dyn4_UB-a2_sl **Samples: 168** **RAM: 10 MB** **Level 2**

2 upbeats, slow, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

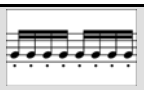
13 VI-14_perf-rep_dyn4_UB-a1_fa **Samples: 168** **RAM: 10 MB** **Level 2**

1 upbeat, fast, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 VI-14_perf-rep_dyn4_UB-a2_fa **Samples: 168** **RAM: 10 MB** **Level 2**

2 upbeats, fast, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

15 FAST REPETITION **Range: G3–D7**



Fast repetitions
Level 2: Staccato, 9 repetitions, 150 to 190 BPM, normal and dynamics

01 VI-14_fast-rep_150 (160/170/180/190) **Samples: 126** **RAM: 7 MB** **Level 2**

Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 VI-14_fast-rep_150_dyn (160/170/180/190) **Samples: 42** **RAM: 2 MB** **Level 2**

Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

16 GRACE NOTES — Range: G3–D7

Phrases
Level 2: Grace notes, minor and major 2nd, up and down
The samples are mapped to the target note.

01 VI-14_grace-1 — **Samples: 166** **RAM: 10 MB** **Level 2**

Grace notes, minor 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

02 VI-14_grace-2 — **Samples: 166** **RAM: 10 MB** **Level 2**

Grace notes, major 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

17 GLISSANDI

Interval performances/phrases
Level 2: Glissando performances on every string, octave glissandos up and down

01 VI-14_perf-gliss_G — **Range: G3–C5** **Samples: 275** **RAM: 17 MB** **Level 2**

Glissando, G string
Monophonic
1 velocity layer
Release samples

02 VI-14_perf-gliss_D — **Range: D4–F#5** **Samples: 275** **RAM: 17 MB** **Level 2**

Glissando, D string
Monophonic
1 velocity layer
Release samples

03 VI-14_perf-gliss_A — **Range: A4–C6** **Samples: 257** **RAM: 16 MB** **Level 2**

Glissando, A string
Monophonic
1 velocity layer
Release samples

04 VI-14_perf-gliss_E — **Range: E5–C#7** **Samples: 393** **RAM: 24 MB** **Level 2**

Glissando, E string
Monophonic
1 velocity layer
Release samples

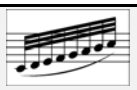
05 VI-14_octav-gliss **Range: G3–C#7** **Samples: 42** **RAM: 2 MB** **Level 2**

Octave glissando
Please note that upward glissandos can be played to an octave below the upper play range, downward glissandos to an octave above the lower play range.
1 velocity layer
AB switch: up/down

18 SCALE RUNS

Phrases
Level 2: Octave runs, legato, major and minor sharp from C to B on every note of the scale, chromatic and whole tone; and spiccato, major, from C to B on every note of the scale.
Please note that upward runs can be played only to an octave below the upper play range, downward runs to an octave above the lower play range. The octave runs are mapped diatonically according to their scale.

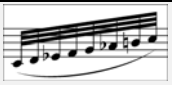
Legato major **Range: G3–A#6**



01 VI-14_run-leg_C-ma (through to B-ma) **Samples: 60** **RAM: 3 MB** **Level 2**

Octave runs, legato, C to B major, 200 BPM
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

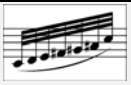
Legato minor **Range: G3–A#6**



01 VI-14_run-leg_C-mi (through to B-mi) **Samples: 32** **RAM: 2 MB** **Level 2**

Octave runs, legato, C to B minor, 200 BPM
1 velocity layer: 0–127 f
AB switch: up/down

Legato special **Range: G3–G#6**



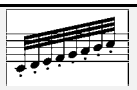
01 VI-14_run-leg_chromatic **Samples: 52** **RAM: 3 MB** **Level 2**

Octave runs, legato, chromatic, 200 BPM
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

02 VI-14_run-leg_whole **Range: G3–G6** **Samples: 52** **RAM: 3 MB** **Level 2**

Octave runs, legato, whole tone, 200 BPM. Mapped chromatically
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

Spiccato major **Range: G3–G#6**



01 VI run-spic_C-ma (through to B-ma) **Samples: 30** **RAM: 1 MB** **Level 2**

Octave runs, spiccato, C to B major, 140 BPM
1 velocity layer: 0–127 mf
AB switch: up/down

98 RESOURCES

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn **Range: G3–D7**

01_VI-14_rep_cre5_leg-sl-1 (2/3/4/5) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato slow, crescendo, 1st to 5th note
1 velocity layer

01_VI-14_rep_dim5_leg-sl-1 (2/3/4/5) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato slow, diminuendo, 1st to 5th note
1 velocity layer

02_VI-14_rep_cre5_leg-fa-1 (2/3/4/5) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato fast, crescendo, 1st to 5th note
1 velocity layer

02_VI-14_rep_dim5_leg-fa-1 (2/3/4/5) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato fast, diminuendo, 1st to 5th note
1 velocity layer

03_VI-14_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Range: G3–A#6** **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

03_VI-14_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Range: G3–A#6** **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

04_VI-14_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Range: G3–A#6** **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

04_VI-14_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Range: G3–A#6** **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

05_VI-14_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

05_VI-14_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

06_VI-14_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

06_VI-14_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

07_VI-14_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, muted, crescendo, 1st to 9th note
1 velocity layer

07_VI-14_mu_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, muted, diminuendo, 1st to 9th note
1 velocity layer

08_VI-14_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, muted, crescendo, 1st to 9th note
1 velocity layer

08_VI-14_mu_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 21** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, muted, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer Range: G3–A#7

01 VI-14_sus_Vib-pp **Samples: 100** **RAM: 6 MB** **Level 2**

Sustained, vibrato, pp
1 velocity layer
Release samples

02 VI-14_sus_Vib-mp **Samples: 100** **RAM: 6 MB** **Level 2**

Sustained, vibrato, mp
1 velocity layer
Release samples

03 VI-14_sus_Vib-f **Samples: 100** **RAM: 6 MB** **Level 2**

Sustained, vibrato, f
1 velocity layer
Release samples

04 VI-14_sus_Vib-ff **Samples: 92** **RAM: 5 MB** **Level 2**

Sustained, vibrato, ff
1 velocity layer
Release samples

03 Perf Speed variation — Range: G3–D7

01 VI-14_perf-marc_me — **Samples: 1174 RAM: 73 MB** — **Level 2**

Marcato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VI-14_perf-spic_me — **Samples: 1218 RAM: 76 MB** — **Level 2**

Spiccato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f

03 VI-14_stac-spic — **Samples: 264 RAM: 16 MB** — **Level 2**

Staccato/spiccato
3 velocity layers: 0–55 p; 56–88 mf; 89–127 f
4 Alternations

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VI-14 Articulation Combi

Samples: 2622 RAM: 163 MB **Level 1**

Single note articulations
Long staccato, short détaché, sustained, flautando, fortepiano and sforzato, tremolo and trills;
ponticello staccato, sustained and tremolo;
artificial harmonics staccato and sustained;
normal and snap pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	stac. long	sus	flaut	fp	trem	trill half	pon. stac	pon. trem	harm. stac	pizz.
V2	dét. short	sus. auto	flaut. auto	sfz	trem. auto	trill whole	pon. sus	pon.trem auto	harm. sus	snap pizz.

L1 VI-14 Perf-Legato Speed + porta

Samples: 1584 RAM: 99 MB **Level 1**

Interval performances: Legato normal and fast, portamento
Attention: There is an error in the programming of this Matrix, and the portamento Patch reference is wrong. Please exchange the Patch with 04 VI-14_perf-portamento; you can save the Matrix under its original name in your Default folder, and also replace its reference in the Preset file that uses it.
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	portamento	legato fast

L1 VI-14 Perf-Repetitions Combi

Samples: 1395 RAM: 87 MB **Level 1**

Repetition performances: Slow legato, fast portato, and spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VI-14 Perf-Universal

Samples: 4598 RAM: 287 MB **Level 2**

Interval performances: Normal and fast legato; medium and fast marcato; slow, medium, and fast staccato/spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	normal	normal	fast
marcato	medium	medium	fast
spiccato	stac/spic	medium	fast

02 VI-14 Perf-Legato - All

Samples: 2271 RAM: 141 MB **Level 2**

Interval performances: Normal legato, legato with 4-layer sustains, legato on the same string, and portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
legato	normal	4-layer	one string
portamento	porta.	porta.	porta.

03 VI-14 Perf-Trill Speed

Samples: 3634 RAM: 227 MB **Level 2**

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VI-14 Short+Long notes - All

Samples: 1769 RAM: 110 MB **Level 2**

Single notes: Staccato and détaché short and long, sustained with and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato short	staccato long	détaché short	détaché long	sus. vibrato
V2	%	%	%	%	sus. no vibrato

05 VI-14 Perf-Harsh - Combi

Samples: 573 RAM: 35 MB **Level 2**

Sustained with vibrato variations, harsh articulation in the parallel cell
Cell crossfade vibrato/no vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1
V1	sus-vib./no vib.	harsh

Matrix - LEVEL 2 B - Standard

11 VI-14 Perf-Legato Speed

Samples: 1584 RAM: 99 MB **Level 2**

Interval performances: Normal and fast legato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

12 VI-14 Perf-Marcato Speed

Samples: 1594 RAM: 99 MB **Level 2**

Interval performances: Medium and fast marcato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	medium	fast

13 VI-14 Perf-Spiccato Speed

Samples: 1838 RAM: 114 MB **Level 2**

Interval performances: Staccato/spiccato, medium and fast performance spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	medium	fast

14 VI-14 Short notes - All

Samples: 1385 RAM: 86 MB **Level 2**

Single notes: Staccato short and long, détaché short and long

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
short notes	staccato short	staccato long	détaché short	détaché long

15 VI-14 Long notes - All

Samples: 426 RAM: 26 MB **Level 2**

Single notes: Sustained with and without vibrato, flautando

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	no vibrato	flautando

16 VI-14 Dynamics - Small

Samples: 369 RAM: 23 MB **Level 2**

Strong dynamics: Crescendo/diminuendo 1.5, 3, and 6 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
strong dyn. vib.	1.5 sec.	3 sec.	6 sec.
fp vib.	%	%	%
sfz vib.	%	%	%
sffz vib.	%	%	%

17 VI-14 Dynamics - All

Samples: 970 RAM: 60 MB **Level 2**

Dynamics: Crescendo/diminuendo, medium with vibrato 1.5 and 3 sec.; strong with vibrato 1.5, 3, and 6 sec.; medium without vibrato 2 and 4 sec.
Crescendo-diminuendo with vibrato 2, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
medium dyn. vib.	1.5sec.	3sec.	3sec.
strong dyn. vib.	1.5sec.	3sec.	6sec.
med.dyn. no vib.	2sec.	4sec.	4sec.
pfp vib.	2sec.	4sec.	6sec.
special dyn.	fp	sfz	sffz

18 VI-14 Tremolo - All

Samples: 486 RAM: 30 MB **Level 2**

Tremolo: Sustained, sustained with attack automation, crescendo and diminuendo 2 sec., and crescendo-diminuendo 3 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 2sec.	pfp 3sec.

19 VI-14 Trills - normal — Samples: 427 RAM: 26 MB Level 2

Trills: Minor and major 2nd normal and dynamics, minor and major 3rd normal

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 4 zones

	C1	C#1
min. 2nd	normal	dynamics
maj. 2nd	normal	dynamics
min. 3rd	normal	normal
maj. 3rd	normal	normal

20 VI-14 Trills - accelerando — Samples: 252 RAM: 15 MB Level 2

Trills accelerando: Half and whole tone, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VI-14 Trills - All — Samples: 679 RAM: 42 MB Level 2

Trills: Minor and major 2nd constant speed and accelerando, normal and dynamics; minor and major 3rd normal

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1
min. 2nd	normal	dynamics	accel.	acc. dyn.
maj. 2nd	normal	dynamics	accel.	acc. dyn.
min. 3rd	normal	normal	normal	normal
maj. 3rd	normal	normal	normal	normal

22 VI-14 Pizzicato + Legno - All — Samples: 840 RAM: 52 MB Level 2

Normal, slow, and snap pizzicato; normal and slow col legno

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 3 zones

	C1	C#1
V1	pizzicato normal	col legno normal
V2	pizzicato slow	col legno slow
V3	pizzicato snap	col legno slow

23 VI-14 Harmonics artificial - All — Samples: 150 RAM: 9 MB Level 2

Artificial harmonics: Staccato, sustained, sustained with auto attack, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
harmonics artificial	staccato	sustained	sus. auto	perf. repetition

24 VI-14 Ponticello - All — Samples: 448 RAM: 28 MB Level 2

Ponticello: Staccato, sustained, sforzato, strong crescendo and diminuendo 2 and 4 sec., and tremolo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	dyn. 2sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4sec.	trem. auto attack

25 VI-14 Ponticello XF - All — Samples: 1934 RAM: 120 MB Level 2

Ponticello and normal: Staccato, sustained, sforzato, strong crescendo and diminuendo, and tremolo
Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	dyn. 1.5sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4/3sec.	trem. auto attack

26 VI-14 Glissando - All

Samples: 1089 RAM: 68 MB **Level 2**

Performance glissandos on each string
Octave glissandos

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
perf.gliss	G string	D string	A string	E string
octave gliss	%	%	%	%

27 VI-14 Sordino - Small

Samples: 630 RAM: 39 MB **Level 2**

Con sordino: Staccato and détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, and pizzicato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	fp	trem. sus	pizz.
V2	detache	sus. auto	sfz	trem. auto	pizz.

28 VI-14 Sordino - All

Samples: 2263 RAM: 141 MB **Level 2**

Con sordino: Legato and portamento interval performances, staccato and détaché, sustained with vibrato, fortepiano, sforzato, medium crescendo and diminuendo 2 and 4 sec., tremolo sustained, half and whole tone trills, and pizzicato

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	perf.legato	staccato	sustained	fp	med.dyn 2s.	trem. sus	trill half	pizz.
V2	perf.porta	detache	sus. auto	sfz	med.dyn 4s.	trem. auto	trill whole	pizz.

Matrix - LEVEL 2 C - Repetitions

31 VI-14 Perf-Repetitions - Combi

Samples: 1845 RAM: 115 MB **Level 2**

Repetition performances: Slow and fast legato, fast portato, staccato, and harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	leg. slow	leg. fast	port. fast	staccato	harsh

32 VI-14 Perf-Repetitions - Speed

Samples: 1710 RAM: 106 MB **Level 2**

Repetition performances: Slow and fast legato, fast portato, and spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	leg. slow	leg. fast	port. fast	spiccato

33 VI-14 Fast-Repetitions

Samples: 378 RAM: 23 MB **Level 2**

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

34 VI-14 Upbeat Repetitions — Samples: 672 RAM: 42 MB Level 2

Repetition performances
1 and 2 upbeats, slow and fast

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
1 upbeat	slow	fast
2 upbeats	slow	fast

Matrix - LEVEL 2 D - Scale+Phrase

41 VI-14 Scale runs-legato - Major — Samples: 360 RAM: 22 MB Level 2

Octave runs, legato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

42 VI-14 Scale runs-legato - Minor — Samples: 188 RAM: 11 MB Level 2

Octave runs, legato, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

43 VI-14 Scale runs-legato - Special — Samples: 104 RAM: 6 MB Level 2

Octave runs, legato, chromatic and whole tone
AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	legato
V1	chromatic
V2	whole tone

44 VI-14 Scale runs-legato - All — Samples: 652 RAM: 40 MB Level 2

Octave runs, legato, C to B major and minor, chromatic and whole tone
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

45 VI-14 Scale runs-spiccato - Major — Samples: 180 RAM: 11 MB Level 2

Octave runs, spiccato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
spiccato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

46 VI-14 Grace notes - All

Samples: 250 RAM: 15 MB Level 2

Grace notes, half and whole tone
AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	interval
V1	min. 2nd
V2	maj. 2nd

Matrix - LEVEL 2 E - Keyswitch Vel

61 VI-14 Legato slow - cre5

Samples: 105 RAM: 6 MB Level 2

Slow legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VI-14 Legato fast - cre5

Samples: 105 RAM: 6 MB Level 2

Fast legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

63 VI-14 Portato - cre9

Samples: 171 RAM: 10 MB Level 2

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VI-14 Staccato - cre9

Samples: 171 RAM: 10 MB Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VI-14 Spiccato - cre9 — Samples: 189 RAM: 11 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VI-14 Harsh - cre9 — Samples: 189 RAM: 11 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 VI-14 Combi - cre5 — Samples: 210 RAM: 13 MB Level 2

Slow and fast legato: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%

68 VI-14 Combi - cre9 — Samples: 720 RAM: 45 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VI-14 Legato slow - dim5 — Samples: 105 RAM: 6 MB Level 2

Slow legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VI-14 Legato fast - dim5 — Samples: 105 RAM: 6 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

73 VI-14 Portato - dim9

Samples: 171 RAM: 10 MB Level 2

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VI-14 Staccato - dim9

Samples: 171 RAM: 10 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VI-14 Spiccato - dim9

Samples: 189 RAM: 11 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VI-14 Harsh - dim9

Samples: 189 RAM: 11 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 VI-14 Combi - dim5

Samples: 210 RAM: 13 MB Level 2

Slow and fast legato: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%

78 VI-14 Combi - dim9

Samples: 720 RAM: 45 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

81 VI-14 Sordino Port - cre9

Samples: 189 RAM: 11 MB Level 2

Con sordino, portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

82 VI-14 Sordino Stac - cre9

Samples: 189 RAM: 11 MB Level 2

Con sordino, staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

83 VI-14 Sordino Port - dim9

Samples: 189 RAM: 11 MB Level 2

Con sordino, portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

84 VI-14 Sordino Stac - dim9

Samples: 189 RAM: 11 MB Level 2

Con sordino, staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

Presets

VI-14 VSL Preset Level 1

Samples: 5186 RAM: 324 MB Level 1

L1 VI-14 Perf-Legato Speed + porta
L1 VI-14 Articulation Combi
L1 VI-14 Perf-Repetitions Combi

VI-14 VSL Preset Level 2

Samples: 10030 RAM: 626 MB Level 2

01 VI-14 Perf-Universal
02 VI-14 Perf-Legato - All
L1 VI-14 Articulation Combi
31 VI-14 Perf-Repetitions - Combi
68 VI-14 Combi - cre9
05 VI-14 Perf-Harsh - Combi

22 Violas orchestra

Description

The viola is the alto instrument of the violin family. It is constructed using the same components as the violin, the only difference being the larger size. Its stately and dark timbre contrasts sharply with that of the violin.

The modern symphony orchestra usually uses 10 (in large orchestras 12) violas.

Range and notation

The viola has a range from C3–A6 (harmonic E7).

The viola is a non-transposing instrument notated in alto clef, and in treble clef from the second octave above middle C. The viola's range lies mainly between C3 and G5, that is, within the alto clef's domain.

Sound characteristics

Dark, stately, reedy, warm, distinctive, full, lively, singing, eloquent, introspective, sensuous, round, muffled, solemn, austere, muted, rough, wafting, veiled, sonorous, powerful, robust.

The sound of the violas as a group achieves an austere charm which is used for melodic tasks at dramatic turning points, especially in the opera orchestra.

Combination with other instruments

The doubling of voices in the middle register is one of the viola's customary roles as it is acting as an intermediary between the violins and the cellos.

Woodwinds provide the strings with more volume and power, while the strings make the woodwinds more mellow, especially when playing in *unison*. In high registers and played *forte* or *fortissimo* the viola is perfectly capable of matching the woodwinds for intensity and acerbity of sound, an effect that is intensified when the groups play in combination.

The combination of violas and the majority of brass instruments produces a relatively homogeneous sound.

Patches

01 SHORT + LONG NOTES — Range: C3–D6

Single note articulations
Level 1: Long staccato, short détaché, sustained with vibrato, flautando sustained
Level 2: Short staccato, long détaché, long portato and sustained without vibrato

01 VA-10_staccato_short — **Samples: 296** **RAM: 18 MB** **Level 2**

Short staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

02 VA-10_staccato_long — **Range: C3–G#6** **Samples: 338** **RAM: 21 MB** **Level 1**

Long staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

03 VA-10_detache_short — **Samples: 296** **RAM: 18 MB** **Level 1**

Short détaché
4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

04 VA-10_detache_long — **Samples: 296** **RAM: 18 MB** **Level 2**

Long détaché
4 velocity layers: 0–55 pp; 56–88 mp; 89–108 mf; 109–127 f
4 Alternations

05 VA-10_portato_long_noVib — **Range: C3–F6** **Samples: 329** **RAM: 20 MB** **Level 2**

Long portato without vibrato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
Release samples
2 Alternations

10 VA-10_sus_Vib — **Range: C3–G#6** **Samples: 331** **RAM: 20 MB** **Level 1**

Sustained, vibrato
4 velocity layers: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff
Release samples

11 VA-10_sus_Vib_fA — **Range: C3–G#6** **Samples: 294** **RAM: 18 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
4 velocity layers
Release samples

12 VA-10_sus_Vib_fA_auto **Range: C3–G#6** **Samples: 460** **RAM: 28 MB** **Level 1**

Sustained, vibrato
Attack automation
Monophonic
4 velocity layers
Release samples

13 VA-10_sus_Vib-espr **Samples: 74** **RAM: 4 MB** **Level 2**

Sustained, vibrato, espressivo
1 velocity layer: 0–127 ff
Release samples

14 VA-10_sus_Vib-espr_fA **Samples: 74** **RAM: 4 MB** **Level 2**

Sustained, vibrato, espressivo
Optimized attack for legato
1 velocity layer
Release samples

15 VA-10_sus_Vib-espr_fA_auto **Samples: 111** **RAM: 6 MB** **Level 2**

Sustained, vibrato, espressivo
Attack automation
Monophonic
1 velocity layer
Release samples

16 VA-10_sus_noVib **Samples: 112** **RAM: 7 MB** **Level 2**

Sustained, no vibrato
2 velocity layers: 0–88 p; 89–127 f
Release samples

17 VA-10_sus_noVib_fA **Samples: 112** **RAM: 7 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
2 velocity layers
Release samples

18 VA-10_sus_noVib_fA_auto **Samples: 150** **RAM: 9 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
2 velocity layers
Release samples

19 VA-10_sus_flautando **Samples: 38** **RAM: 2 MB** **Level 1**

Sustained, flautando
1 velocity layer: 0–127 pp
Release samples

20 VA-10_sus_flautando_fA **Samples: 38** **RAM: 2 MB** **Level 2**

Sustained, flautando
Optimized attack for legato
1 velocity layer
Release samples

21 VA-10_sus_flautando_fA_auto **Samples: 57** **RAM: 3 MB** **Level 1**

Sustained, flautando
Attack automation
Monophonic
1 velocity layer
Release samples

02 DYNAMICS Range: C3–D6

Dynamics
Level 1: Fortepiano and sforzato with vibrato
Level 2: Medium crescendo and diminuendo with vibrato (1.5 and 3 sec.); strong crescendo and diminuendo with vibrato (1.5, 3, and 6 sec.); medium crescendo and diminuendo without vibrato (2 and 4 sec.); crescendo-diminuendo with vibrato (2, 4, and 6 sec.); sforzatissimo with vibrato; fortepiano, sforzato, and sforzatissimo without vibrato

01 VA-10_dyn-me_Vib_1'5s **Samples: 148** **RAM: 9 MB** **Level 2**

Medium dynamics, 1.5 sec., vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

02 VA-10_dyn-me_Vib_3s **Samples: 144** **RAM: 9 MB** **Level 2**

Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 VA-10_dyn-str_Vib_1'5s **Range: C3–F6** **Samples: 82** **RAM: 5 MB** **Level 2**

Strong dynamics, 1.5 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

04 VA-10_dyn-str_Vib_3s **Samples: 72** **RAM: 4 MB** **Level 2**

Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 VA-10_dyn-str_Vib_6s **Samples: 74** **RAM: 4 MB** **Level 2**

Strong dynamics, 6 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 VA-10_dyn-me_noVib_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

07 VA-10_dyn-me_noVib_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

08 VA-10_pfp_Vib_2s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, 2 sec., with vibrato
2 velocity layers: 0–88 p; 89–127 mf

09 VA-10_pfp_Vib_4s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, 4 sec., with vibrato
2 velocity layers: 0–88 p; 89–127 mf

10 VA-10_pfp_Vib_6s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, 6 sec., with vibrato
2 velocity layers: 0–88 p; 89–127 mf

11 VA-10_fp_Vib **Samples: 36** **RAM: 2 MB** **Level 1**

Fortepiano, vibrato
1 velocity layer
2 Alternations

12 VA-10_sfz_Vib **Samples: 36** **RAM: 2 MB** **Level 1**

Sforzato, vibrato
1 velocity layer
2 Alternations

13 VA-10_sffz_Vib **Samples: 36** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

14 VA-10_fp_noVib **Samples: 19** **RAM: 1 MB** **Level 2**

Fortepiano, no vibrato
1 velocity layer

15 VA-10_sfz_noVib **Samples: 19** **RAM: 1 MB** **Level 2**

Sforzato, no vibrato
1 velocity layer

16 VA-10_sffz_noVib **Samples: 19** **RAM: 1 MB** **Level 2**

Sforzatissimo, no vibrato
1 velocity layer

03 TREMOLO + TRILLS Range: C3–D6

Tremolo and trills
Level 1: Tremolo sustained; trills half and whole tone
Level 2: Tremolo crescendo and diminuendo 2 sec., crescendo-diminuendo 3 sec.; trills half and whole tone dynamics and pfp; trills accelerando half and whole tone, normal and dynamics

01 VA-10_trem_sus
Samples: 222 **RAM: 13 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

02 VA-10_trem_sus_fA
Samples: 222 **RAM: 13 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 VA-10_trem_sus_fA_auto
Samples: 333 **RAM: 20 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

04 VA-10_trem_dyn_2s
Samples: 74 **RAM: 4 MB** **Level 2**

Tremolo crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

05 VA-10_trem_pfp_3s
Samples: 37 **RAM: 2 MB** **Level 2**

Tremolo crescendo-diminuendo, 3 sec.
1 velocity layer

10 VA-10_trill_1
Samples: 76 **RAM: 4 MB** **Level 1**

Trills: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VA-10_trill_2
Samples: 76 **RAM: 4 MB** **Level 1**

Trills: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VA-10_trill_1_dyn
Samples: 38 **RAM: 2 MB** **Level 2**

Trills: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 VA-10_trill_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

14 VA-10_trill_1_pfp **Samples: 19** **RAM: 1 MB** **Level 2**

Trills: Half tone, crescendo-diminuendo
1 velocity layer

15 VA-10_trill_2_pfp **Samples: 19** **RAM: 1 MB** **Level 2**

Trills: Whole tone, crescendo-diminuendo
1 velocity layer

16 VA-10_trill-acc_1 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Accelerando, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

17 VA-10_trill-acc_2 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Accelerando, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

18 VA-10_trill-acc_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Accelerando, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

19 VA-10_trill-acc_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Accelerando, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ + LEGNO Range: C3–D6

Pizzicato and col legno
Level 1: Pizzicato normal and snap (Bartók)
Level 2: Pizzicato slow, pizzicato repetitions slow and fast, col legno normal and slow

01 VA-10_pizz **Samples: 148** **RAM: 9 MB** **Level 1**

Pizzicato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

02 VA-10_pizz_slow **Samples: 147** **RAM: 9 MB** **Level 2**

Pizzicato, slow
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

03 VA-10_pizz_snap **Samples: 74** **RAM: 4 MB** **Level 1**

Snap pizzicato
1 velocity layer
4 Alternations

04 VA-10_pizz_perf-rep_sl **Samples: 190** **RAM: 11 MB** **Level 2**

Pizzicato, slow
2 velocity layers: 0–88 p; 89–127 f

05 VA-10_pizz_perf-rep_fa **Samples: 342** **RAM: 21 MB** **Level 2**

Pizzicato, fast
2 velocity layers: 0–88 p; 89–127 f

11 VA-10_col-legno **Samples: 148** **RAM: 9 MB** **Level 2**

Col legno
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

12 VA-10_col-legno_slow **Samples: 148** **RAM: 9 MB** **Level 2**

Col legno, slow
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

05 HARMONICS Range: C4–A#6

Artificial harmonics
Level 1: Staccato, sustained
Level 2: Repetition performances
Harmonics patches are mapped an octave lower than they sound.

01 VA-10_harm-art_stac **Samples: 34** **RAM: 2 MB** **Level 1**

Artificial harmonics: Staccato
1 velocity layer: 0–127 mf
2 Alternations

02 VA-10_harm-art_sus **Samples: 34** **RAM: 2 MB** **Level 1**

Artificial harmonics: Sustained
1 velocity layer: 0–127 mf
Release samples

03 VA-10_harm-art_sus_fA **Samples: 34** **RAM: 2 MB** **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
1 velocity layer
Release samples

04 VA-10_harm-art_sus_fA_auto **Samples: 51** **RAM: 3 MB** **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
1 velocity layer
Release samples

05 VA-10_harm-art_perf-rep **Samples: 85** **RAM: 5 MB** **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer

06 PONTICELLO Range: C3–D6

Ponticello – bowed near the bridge, giving a louder, brighter sound.
Level 1: Staccato, sustained, tremolo
Level 2: Dynamics strong (1.5, 2.5, and 4 sec.), sforzato

01 VA-10_pon_staccato **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello staccato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

02 VA-10_pon_sus **Samples: 75** **RAM: 4 MB** **Level 1**

Ponticello sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VA-10_pon_sus_fA **Samples: 75** **RAM: 4 MB** **Level 2**

Ponticello sustained
Optimized attack for legato
2 velocity layers
Release samples

04 VA-10_pon_sus_fA_auto **Samples: 113** **RAM: 7 MB** **Level 2**

Ponticello sustained
Attack automation
Monophonic
2 velocity layers
Release samples

05 VA-10_pon_dyn-str_1'5s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 1.5 sec.
1 velocity layer
AB switch: crescendo/diminuendo

06 VA-10_pon_dyn-str_2'5s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 2.5 sec.
1 velocity layer
AB switch: crescendo/diminuendo

07 VA-10_pon_dyn-str_4s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

08 VA-10_pon_sfz **Samples: 19** **RAM: 1 MB** **Level 2**

Ponticello sforzato
1 velocity layer

09 VA-10_pon_trem **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello tremolo
2 velocity layers: 0–88 p; 89–127 f
Release samples

10 VA-10_pon_trem_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Ponticello tremolo
Optimized attack for legato
2 velocity layers
Release samples

11 VA-10_pon_trem_fA_auto **Samples: 114** **RAM: 7 MB** **Level 1**

Ponticello tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

07 CON SORDINO BASIC Range: C3–D6

Con sordino (muted)
Level 2: Staccato, détaché, sustained, dynamics medium (2 and 4 sec.), fortepiano, sforzato, tremolo, trills normal and dynamics, pizzicato

01 VA-10_mu_staccato **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, staccato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

02 VA-10_mu_detache **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, détaché
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

10 VA-10_mu_sus_Vib **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VA-10_mu_sus_Vib_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, sustained
Optimized attack for legato
2 velocity layers
Release samples

12 VA-10_mu_sus_Vib_fA_auto **Samples: 114** **RAM: 7 MB** **Level 2**

Muted, sustained
Attack automation
Monophonic
2 velocity layers
Release samples

21 VA-10_mu_dyn-me_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, medium dynamics, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

22 VA-10_mu_dyn-me_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, medium dynamics, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

23 VA-10_mu_fp **Samples: 19** **RAM: 1 MB** **Level 2**

Muted, fortepiano
1 velocity layer

24 VA-10_mu_sfz **Samples: 19** **RAM: 1 MB** **Level 2**

Muted, sforzato
1 velocity layer

31 VA-10_mu_trem_sus **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, tremolo
2 velocity layers: 0–88 p; 89–127 f
Release samples

32 VA-10_mu_trem_sus_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, tremolo
Optimized attack for legato
2 velocity layers
Release samples

33 VA-10_mu_trem_sus_fA_auto **Samples: 114** **RAM: 7 MB** **Level 2**

Muted, tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

34 VA-10_mu_trill_1 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills, muted: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

35 VA-10_mu_trill_2 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills, muted: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

36 VA-10_mu_trill_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills, muted: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

37 VA-10_mu_trill_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills, muted: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

41 VA-10_mu_pizz **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, pizzicato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

10 PERF INTERVAL Range: C3–C6

Interval performances
Level 1: Legato, portamento
Level 2: Legato on the same string, tremolo, muted legato and portamento

01 VA-10_perf-legato **Samples: 1078** **RAM: 67 MB** **Level 1**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VA-10_perf-legato_sus-4V **Samples: 1150** **RAM: 71 MB** **Level 2**

Legato with 4 velocity layers in the sustains
Monophonic
4 velocity layers: Legato: 0–88 p; 89–127 f
Sustained: 0–55 pp; 56–88 mp; 89–108 f; 109–127 ff
Release samples

03 VA-10_perf-legato_sul **Samples: 1054** **RAM: 65 MB** **Level 2**

Legato on the same string
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 VA-10_perf-portamento **Samples: 477** **RAM: 29 MB** **Level 1**

Portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

05 VA-10_perf-tremolo **Samples: 546** **RAM: 34 MB** **Level 2**

Tremolo
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VA-10_mu_perf-legato **Samples: 892** **RAM: 55 MB** **Level 2**

Muted, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VA-10_mu_perf-portamento **Samples: 482** **RAM: 30 MB** **Level 2**

Muted, portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

11 PERF INTERVAL FAST

Interval performances, fast
Level 1: Legato
Level 2: Marcato and spiccato

01 VA-10_perf-legato_fa **Range: C3–C6** **Samples: 1218** **RAM: 76 MB** **Level 1**

Legato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VA-10_perf-marcato_fa **Range: C3–C#6** **Samples: 1228** **RAM: 76 MB** **Level 2**

Marcato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VA-10_perf-spiccato_fa **Range: C3–C#6** **Samples: 914** **RAM: 57 MB** **Level 2**

Spiccato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f

12 PERF TRILL — Range: C3–D6

Multi interval performances
Level 2: Trills, legato, minor 2nd to 4th

01 VA-10_perf-trill_leg — **Samples: 2684 RAM: 167 MB Level 2**

Trills, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 PERF REPETITION — Range: C3–D6

Repetition performances
Level 1: Legato slow, portato fast, spiccato
Level 2: Legato fast, bow vibrato slow and fast, portato slow, staccato, harsh; dynamics for all articulations; muted legato, portato, and staccato repetitions, legato and portato dynamics

01 VA-10_perf-rep_leg-sl — **Samples: 285 RAM: 17 MB Level 1**

Legato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VA-10_perf-rep_leg-fa — **Samples: 285 RAM: 17 MB Level 2**

Legato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VA-10_perf-rep_bow-sl — **Samples: 285 RAM: 17 MB Level 2**

Bow vibrato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

04 VA-10_perf-rep_bow-fa — **Samples: 285 RAM: 17 MB Level 2**

Bow vibrato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VA-10_perf-rep_por-sl — **Samples: 190 RAM: 11 MB Level 2**

Portato, slow
2 velocity layers: 0–88 mf; 89–127 ff

06 VA-10_perf-rep_por-fa — **Samples: 513 RAM: 32 MB Level 1**

Portato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

07 VA-10_perf-rep_sta — **Samples: 513 RAM: 32 MB Level 2**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

08 VA-10_perf-rep_spi — **Samples: 513 RAM: 32 MB Level 1**

Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

09 VA-10_perf-rep_harsh **Samples: 171** **RAM: 10 MB** **Level 2**

Harsh
1 velocity layer: 0–127 f

11 VA-10_mu_perf-rep_leg **Samples: 190** **RAM: 11 MB** **Level 2**

Muted, legato
2 velocity layers: 0–88 p; 89–127 f

12 VA-10_mu_perf-rep_por **Samples: 342** **RAM: 21 MB** **Level 2**

Muted, portato
2 velocity layers: 0–88 p; 89–127 f

13 VA-10_mu_perf-rep_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Muted, staccato
2 velocity layers: 0–88 p; 89–127 f

21 VA-10_perf-rep_dyn5_leg-sl **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 VA-10_perf-rep_dyn5_leg-fa **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, fast, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 VA-10_perf-rep_dyn5_bow-sl **Samples: 190** **RAM: 11 MB** **Level 2**

Bow vibrato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 VA-10_perf-rep_dyn5_bow-fa **Samples: 190** **RAM: 11 MB** **Level 2**

Bow vibrato dynamics, fast, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 VA-10_perf-rep_dyn9_por **Samples: 342** **RAM: 21 MB** **Level 2**

Portato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

26 VA-10_perf-rep_dyn9_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

27 VA-10_perf-rep_dyn9_spi **Samples: 342** **RAM: 21 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

28 VA-10_perf-rep_dyn9_harsh **Samples: 342** **RAM: 21 MB** **Level 2**

Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

31 VA-10_mu_perf-rep_dyn5_leg **Samples: 190** **RAM: 11 MB** **Level 2**

Muted legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

32 VA-10_mu_perf-rep_dyn9_por **Samples: 342** **RAM: 21 MB** **Level 2**

Muted portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 PERF UPBEAT REPETITION Range: C3–D6

Repetition performances
Level 2: 1 and 2 upbeats, slow and fast, normal and dynamics

01 VA-10_perf-rep_UB-a1_sl **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, slow
2 velocity layers: 0–88 p; 89–127 f

02 VA-10_perf-rep_UB-a2_sl **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, slow
2 velocity layers: 0–88 p; 89–127 f

03 VA-10_perf-rep_UB-a1_fa **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, fast
2 velocity layers: 0–88 p; 89–127 f

04 VA-10_perf-rep_UB-a2_fa **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, fast
2 velocity layers: 0–88 p; 89–127 f

11 VA-10_perf-rep_dyn4_UB-a1_sl **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, slow, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 VA-10_perf-rep_dyn4_UB-a2_sl **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, slow, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

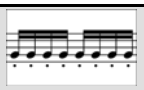
13 VA-10_perf-rep_dyn4_UB-a1_fa **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, fast, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 VA-10_perf-rep_dyn4_UB-a2_fa **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, fast, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

15 FAST REPETITION Range: C3–D6



Fast repetitions
Level 2: Staccato, 9 repetitions, 150 to 190 BPM, normal and dynamics

01 VA-10_fast-rep_150 (160/170/180/190) **Samples: 114** **RAM: 7 MB** **Level 2**

Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 VA-10_fast-rep_150_dyn (160/170/180/190) **Samples: 38** **RAM: 2 MB** **Level 2**

Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

16 GRACE NOTES Range: C3–D6

Phrases
Level 2: Grace notes, minor and major 2nd, up and down
The samples are mapped to the target notes.

01 VA-10_grace-1 **Samples: 150** **RAM: 9 MB** **Level 2**

Grace notes, minor 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

02 VA-10_grace-2 **Samples: 150** **RAM: 9 MB** **Level 2**

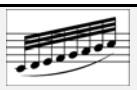
Grace notes, major 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

17 SCALE RUNS

Phrases

Level 2: Octave runs, legato, major and minor sharp from C to B on every note of the scale, chromatic, whole tone, and furioso; and spiccato, major, from C to B on every note of the scale.
Please note that upward runs can be played only to an octave below the upper play range, downward runs to an octave above the lower play range. The octave runs are mapped diatonically according to their scale.

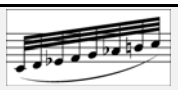
Legato major — Range: C3–D6



01 VA-10_run-leg_C-ma (through to B-ma) — Samples: 60 — RAM: 3 MB — Level 2

Octave runs, legato, C to B major, 200 BPM
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

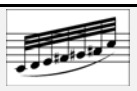
Legato minor — Range: C3–D#6



01 VA-10_run-leg_C-mi (through to B-mi) — Samples: 30 — RAM: 1 MB — Level 2

Octave runs, legato, C to B minor, 200 BPM
1 velocity layer: 0–127 f
AB switch: up/down

Legato special — Range: C3–E5



01 VA-10_run-leg_chromatic — Samples: 36 — RAM: 2 MB — Level 2

Octave runs, legato, chromatic, 200 BPM
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

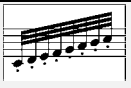
02 VA-10_run-leg_whole — Range: C3–C6 — Samples: 52 — RAM: 3 MB — Level 2

Octave runs, legato, whole tone, 200 BPM. Mapped chromatically
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

03 VA-10_run-furioso — Range: C3–D6 — Samples: 26 — RAM: 1 MB — Level 2

Octave runs, furioso (ca. 300 BPM)
1 velocity layer
AB switch: up/down

Spiccato major — Range: C3–D6



01 VA-10 run-spic_C-ma (through to B-ma) — Samples: 30 — RAM: 1 MB — Level 2

Octave runs, spiccato, C to B major, 140 BPM
1 velocity layer: 0–127 mf
AB switch: up/down

98 RESOURCES

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn — Range: C3–D6

01_VA-10_rep_cre5_leg-sl-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato slow, crescendo, 1st to 5th note
1 velocity layer

01_VA-10_rep_dim5_leg-sl-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato slow, diminuendo, 1st to 5th note
1 velocity layer

02_VA-10_rep_cre5_leg-fa-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato fast, crescendo, 1st to 5th note
1 velocity layer

02_VA-10_rep_dim5_leg-fa-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato fast, diminuendo, 1st to 5th note
1 velocity layer

03_VA-10_rep_cre9_por-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

03_VA-10_rep_dim9_por-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

04_VA-10_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

04_VA-10_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

05_VA-10_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

05_VA-10_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

06_VA-10_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

06_VA-10_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

07_VA-10_mu_rep_cre5_leg-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, muted, crescendo, 1st to 5th note
1 velocity layer

07_VA-10_mu_rep_dim5_leg-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, muted, diminuendo, 1st to 5th note
1 velocity layer

08_VA-10_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, muted, crescendo, 1st to 9th note
1 velocity layer

08_VA-10_mu_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, muted, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer — Range: C3–D6

01 VA-10_sus_Vib-pp **Samples: 74** **RAM: 4 MB** **Level 2**

Sustained, vibrato, pp
1 velocity layer
Release samples

02 VA-10_sus_Vib-mp **Samples: 74** **RAM: 4 MB** **Level 2**

Sustained, vibrato, mp
1 velocity layer
Release samples

03 VA-10_sus_Vib-f **Samples: 74** **RAM: 4 MB** **Level 2**

Sustained, vibrato, f
1 velocity layer
Release samples

04 VA-10_sus_Vib-ff **Samples: 74** **RAM: 4 MB** **Level 2**

Sustained, vibrato, ff
1 velocity layer
Release samples

03 Perf Speed variation — Range: C3–D6

01 VA-10_perf-marc_me **Samples: 1080** **RAM: 67 MB** **Level 2**

Marcato, medium speed
Monophonic

2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VA-10_perf-spic_me **Samples: 1086 RAM: 67 MB** **Level 2**

Spiccato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f

03 VA-10_stac-spic **Samples: 160 RAM: 10 MB** **Level 2**

Staccato/spiccato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VA-10 Articulation Combi

Samples: 2263 RAM: 141 MB **Level 1**

Single note articulations
Long staccato, short détaché, sustained, flautando, fortepiano and sforzato, tremolo and trills;
ponticello staccato, sustained and tremolo;
artificial harmonics staccato and sustained;
normal and snap pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	stac. long	sus	flaut	fp	trem	trill half	pon. stac	pon. trem	harm. stac	pizz.
V2	dét. short	sus. auto	flaut. auto	sfz	trem. auto	trill whole	pon. sus	pon.trem auto	harm. sus	snap pizz.

L1 VA-10 Perf-Legato Speed + porta

Samples: 1765 RAM: 110 MB **Level 1**

Interval performances: Legato normal and fast, portamento
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	portamento	legato fast

L1 VA-10 Perf-Repetitions Combi

Samples: 1311 RAM: 81 MB **Level 1**

Repetition performances: Slow legato, fast portato, and spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VA-10 Perf-Universal

Samples: 3996 RAM: 249 MB **Level 2**

Interval performances: Normal and fast legato; medium and fast marcato; slow, medium, and fast staccato/spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	normal	normal	fast
marcato	medium	medium	fast
spiccato	stac/spic	medium	fast

02 VA-10 Perf-Legato - All

Samples: 1901 RAM: 118 MB **Level 2**

Interval performances: Normal legato, legato with 4-layer sustains, legato on the same string, and portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
legato	normal	4-layer	one string
portamento	porta.	porta.	porta.

03 VA-10 Perf-Trill Speed

Samples: 3252 RAM: 203 MB **Level 2**

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VA-10 Short+Long notes - All

Samples: 1597 RAM: 99 MB **Level 2**

Single notes: Staccato and détaché short and long, sustained with and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato short	staccato long	détaché short	détaché long	sus. vibrato
V2	%	%	%	%	sus. no vibrato

05 VA-10 Perf-Harsh - Combi

Samples: 505 RAM: 31 MB **Level 2**

Sustained with vibrato variations, harsh articulation in the parallel cell
Cell crossfade vibrato/no vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1
V1	sus-vib./no vib.	harsh

Matrix - LEVEL 2 B - Standard

11 VA-10 Perf-Legato Speed

Samples: 1398 RAM: 87 MB **Level 2**

Interval performances: Normal and fast legato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

12 VA-10 Perf-Marcato Speed

Samples: 1372 RAM: 85 MB **Level 2**

Interval performances: Medium and fast marcato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	medium	fast

13 VA-10 Perf-Spiccato Speed — Samples: 1560 RAM: 97 MB Level 2

Interval performances: Staccato/spiccato, medium and fast performance spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	medium	fast

14 VA-10 Short notes - All — Samples: 1226 RAM: 76 MB Level 2

Single notes: Staccato short and long, détaché short and long

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
short notes	staccato short	staccato long	détaché short	détaché long

15 VA-10 Long notes - All — Samples: 409 RAM: 25 MB Level 2

Single notes: Sustained with and without vibrato, flautando

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	no vibrato	flautando

16 VA-10 Dynamics - Small — Samples: 336 RAM: 21 MB Level 2

Strong dynamics: Crescendo/diminuendo 1.5, 3, and 6 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
strong dyn. vib.	1.5 sec.	3 sec.	6 sec.
fp vib.	%	%	%
sfz vib.	%	%	%
sffz vib.	%	%	%

17 VA-10 Dynamics - All — Samples: 894 RAM: 55 MB Level 2

Dynamics: Crescendo/diminuendo, medium with vibrato 1.5 and 3 sec.; strong with vibrato 1.5, 3, and 6 sec.; medium without vibrato 2 and 4 sec.
Crescendo-diminuendo with vibrato 2, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
medium dyn. vib.	1.5sec.	3sec.	3sec.
strong dyn. vib.	1.5sec.	3sec.	6sec.
med.dyn. no vib.	2sec.	4sec.	4sec.
pfp vib.	2sec.	4sec.	6sec.
special dyn.	fp	sfz	sffz

18 VA-10 Tremolo - All — Samples: 444 RAM: 27 MB Level 2

Tremolo: Sustained, sustained with attack automation, crescendo and diminuendo 2 sec., and crescendo-diminuendo 3 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 2sec.	pfp 3sec.

19 VA-10 Trills - normal

Samples: 228 RAM: 14 MB Level 2

Trills: Half and whole tone, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VA-10 Trills - accelerando

Samples: 228 RAM: 14 MB Level 2

Trills accelerando: Half and whole tone, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VA-10 Trills - All

Samples: 456 RAM: 28 MB Level 2

Trills: Half and whole tone, constant speed and accelerando, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	accel.	acc. dyn.
whole tone	normal	dynamics	accel.	acc. dyn.

22 VA-10 Pizzicato + Legno - All

Samples: 665 RAM: 41 MB Level 2

Normal, slow, and snap pizzicato; normal and slow col legno

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 3 zones

	C1	C#1
V1	pizzicato normal	col legno normal
V2	pizzicato slow	col legno slow
V3	pizzicato snap	col legno slow

23 VA-10 Harmonics artificial - All

Samples: 170 RAM: 10 MB Level 2

Artificial harmonics: Staccato, sustained, sustained with auto attack, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
harmonics artificial	staccato	sustained	sus. auto	perf. repetition

24 VA-10 Ponticello - All

Samples: 398 RAM: 24 MB Level 2

Ponticello: Staccato, sustained, sforzato, strong crescendo and diminuendo 2.5 and 4 sec., and tremolo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	dyn. 2.5sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4sec.	trem. auto attack

25 VA-10 Ponticello XF - All

Samples: 1719 RAM: 107 MB **Level 2**

Ponticello and normal: Staccato, sustained, sforzato, strong crescendo and diminuendo, and tremolo
Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	dyn. 1.5sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4/3sec.	trem. auto attack

26 VA-10 Sordino - Small

Samples: 494 RAM: 30 MB **Level 2**

Con sordino: Staccato and détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, and pizzicato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	fp	trem. sus	pizz.
V2	detache	sus. auto	sfz	trem. auto	pizz.

27 VA-10 Sordino - All

Samples: 2060 RAM: 128 MB **Level 2**

Con sordino: Legato and portamento interval performances, staccato and détaché, sustained with vibrato, fortepiano, sforzato, medium crescendo and diminuendo 2 and 4 sec., tremolo sustained, half and whole tone trills, and pizzicato

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	perf.legato	staccato	sustained	fp	med.dyn 2s.	trem. sus	trill half	pizz.
V2	perf.porta	detache	sus. auto	sfz	med.dyn 4s.	trem. auto	trill whole	pizz.

Matrix - LEVEL 2 C - Repetitions

31 VA-10 Perf-Repetitions - Combi

Samples: 1767 RAM: 110 MB **Level 2**

Repetition performances: Slow and fast legato, fast portato, staccato, and harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	leg. slow	leg. fast	port. fast	staccato	harsh

32 VA-10 Perf-Repetitions - Speed

Samples: 1596 RAM: 99 MB **Level 2**

Repetition performances: Slow and fast legato, fast portato, and spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	leg. slow	leg. fast	port. fast	spiccato

33 VA-10 Fast-Repetitions

Samples: 342 RAM: 21 MB **Level 2**

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

34 VA-10 Upbeat Repetitions

Samples: 608 **RAM: 38 MB** **Level 2**

Repetition performances
1 and 2 upbeats, slow and fast

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
1 upbeat	slow	fast
2 upbeats	slow	fast

Matrix - LEVEL 2 D - Scale+Phrase

41 VA-10 Scale runs-legato - Major

Samples: 360 **RAM: 22 MB** **Level 2**

Octave runs, legato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

42 VA-10 Scale runs-legato - Minor

Samples: 182 **RAM: 11 MB** **Level 2**

Octave runs, legato, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

43 VA-10 Scale runs-legato - Special

Samples: 114 **RAM: 7 MB** **Level 2**

Octave runs, legato, chromatic and whole tone, and furioso
AB switch up/down

Matrix switches: Vertical: Modwheel, 3 zones

	legato
V1	chromatic
V2	whole tone
V3	furioso

44 VA-10 Scale runs-legato - All

Samples: 630 **RAM: 39 MB** **Level 2**

Octave runs, legato, C to B major and minor, chromatic and whole tone
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

45 VA-10 Scale runs-spiccato - Major

Samples: 180 RAM: 11 MB Level 2

Octave runs, spiccato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
spiccato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

46 VA-10 Grace notes - All

Samples: 226 RAM: 14 MB Level 2

Grace notes, half and whole tone
AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	interval
V1	min. 2nd
V2	maj. 2nd

Matrix - LEVEL 2 E - Keyswitch Vel

61 VA-10 Legato slow - cre5

Samples: 95 RAM: 5 MB Level 2

Slow legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VA-10 Legato fast - cre5

Samples: 95 RAM: 5 MB Level 2

Fast legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

63 VA-10 Portato - cre9

Samples: 171 RAM: 10 MB Level 2

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VA-10 Staccato - cre9

Samples: 171 RAM: 10 MB Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VA-10 Spiccato - cre9

Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VA-10 Harsh - cre9

Samples: 171 RAM: 10 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 VA-10 Combi - cre5

Samples: 190 RAM: 11 MB Level 2

Slow and fast legato: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%

68 VA-10 Combi - cre9

Samples: 684 RAM: 42 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VA-10 Legato slow - dim5

Samples: 95 RAM: 5 MB Level 2

Slow legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VA-10 Legato fast - dim5

Samples: 95 RAM: 5 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

73 VA-10 Portato - dim9

Samples: 171 **RAM: 10 MB** **Level 2**

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VA-10 Staccato - dim9

Samples: 171 **RAM: 10 MB** **Level 2**

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VA-10 Spiccato - dim9

Samples: 171 **RAM: 10 MB** **Level 2**

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VA-10 Harsh - dim9

Samples: 171 **RAM: 10 MB** **Level 2**

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 VA-10 Combi - dim5

Samples: 190 **RAM: 11 MB** **Level 2**

Slow and fast legato: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%

78 VA-10 Combi - dim9

Samples: 684 **RAM: 42 MB** **Level 2**

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

81 VA-10 Sordino Leg - cre5 — Samples: 95 RAM: 5 MB Level 2

Con sordino, legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

82 VA-10 Sordino Port - cre9 — Samples: 171 RAM: 10 MB Level 2

Con sordino, portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

83 VA-10 Sordino Leg - dim5 — Samples: 95 RAM: 5 MB Level 2

Con sordino, legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

84 VA-10 Sordino Port - dim9 — Samples: 171 RAM: 10 MB Level 2

Con sordino, portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

Presets

VA-10 VSL Preset Level 1 — Samples: 5007 RAM: 312 MB Level 1

L1 VA-10 Perf-Legato Speed + porta
L1 VA-10 Articulation Combi
L1 VA-10 Perf-Repetitions Combi

VA-10 VSL Preset Level 2 — Samples: 8970 RAM: 560 MB Level 2

01 VA-10 Perf-Universal
02 VA-10 Perf-Legato - All
L1 VA-10 Articulation Combi
31 VA-10 Perf-Repetitions - Combi
68 VA-10 Combi - cre9
05 VA-10 Perf-Harsh – Combi

23 Cellos orchestra

Description

The cello is the tenor and bass instrument of the violin family.

In the 19th century the cello advanced along with the violin to become the most important bowed instrument for solo works.

The modern symphony orchestra usually uses 8 (in large orchestras 10) cellos.

Range and notation

The cello has a range from C2–A5 (harmonic A7).

It is a non-transposing instrument notated mainly in bass clef. Because of its huge range tenor and treble clef are also used.

Sound characteristics

Mellow, warm, sonorous, full, clear, brilliant, vibrant, singing, bright, lustrous, stately, lyrical, cantabile, thick, weighty, powerful, silky, lively, incisive, eloquent, transcendental, supernatural, sensuous, calm, round, pure, muffled, dark, open, sustaining, solemn, wafting, gentle, sweet, veiled.

The cello possesses a wide variety of differing tonal colors and means of expression, ranging from the calm and solemn in the lower register to bursts of passion in the uppermost register. It is something of a split personality: on the one hand it plays the part of the solid, reliable bass instrument; on the other hand it aspires to the passion of a heroic tenor.

Combination with other instruments

The cello has a particularly good blend with all other instruments in the orchestra.

Its tasks range from performing the bass part to expansive melody lines in the tenor register. Cellos playing in octaves with double basses is a "classic" combination.

Woodwinds provide the strings with more volume and power, while the strings make the woodwinds more mellow. Oboe and bassoon accentuate the bright and clear properties of the cello's sound, while the clarinet makes the cello sound more mellow.

The blend with the brass instruments is strongly influenced by the playing technique employed by the strings (pizzicato, col legno). The combination of cellos and horns played softly is particularly pleasing.

Patches

01 SHORT + LONG NOTES — Range: C2–D5

Single note articulations
Level 1: Long staccato, short détaché, sustained with vibrato, flautando sustained
Level 2: Short staccato, long détaché, long portato and sustained without vibrato

01 VC-8_staccato_short — **Samples: 296** **RAM: 18 MB** **Level 2**

Short staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

02 VC-8_staccato_long — **Range: C2–A#5** **Samples: 350** **RAM: 21 MB** **Level 1**

Long staccato
4 velocity layers: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

03 VC-8_detache_short — **Samples: 296** **RAM: 18 MB** **Level 1**

Short détaché
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
4 Alternations

04 VC-8_detache_long — **Samples: 222** **RAM: 13 MB** **Level 2**

Long détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

05 VC-8_portato_long_noVib — **Range: C2–A#5** **Samples: 318** **RAM: 19 MB** **Level 2**

Long portato without vibrato
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
Release samples
2 Alternations

10 VC-8_sus_Vib — **Range: C2–A#5** **Samples: 314** **RAM: 19 MB** **Level 1**

Sustained, vibrato
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
Release samples

11 VC-8_sus_Vib_fA — **Range: C2–A#5** **Samples: 314** **RAM: 19 MB** **Level 2**

Sustained, vibrato
Optimized attack for legato
4 velocity layers
Release samples

12 VC-8_sus_Vib_fA_auto **Range: C2–A#5** **Samples: 494** **RAM: 30 MB** **Level 1**

Sustained, vibrato
Attack automation
Monophonic
4 velocity layers
Release samples

13 VC-8_sus_noVib **Samples: 127** **RAM: 7 MB** **Level 2**

Sustained, no vibrato
2 velocity layers: 0–88 p; 89–127 f
Release samples

14 VC-8_sus_noVib_fA **Samples: 127** **RAM: 7 MB** **Level 2**

Sustained, no vibrato
Optimized attack for legato
2 velocity layers
Release samples

15 VC-8_sus_noVib_fA_auto **Samples: 165** **RAM: 10 MB** **Level 2**

Sustained, no vibrato
Attack automation
Monophonic
2 velocity layers
Release samples

16 VC-8_sus_flautando **Samples: 38** **RAM: 2 MB** **Level 1**

Sustained, flautando
1 velocity layer: 0–127 pp
Release samples

17 VC-8_sus_flautando_fA **Samples: 38** **RAM: 2 MB** **Level 2**

Sustained, flautando
Optimized attack for legato
1 velocity layer
Release samples

18 VC-8_sus_flautando_fA_auto **Samples: 57** **RAM: 3 MB** **Level 1**

Sustained, flautando
Attack automation
Monophonic
1 velocity layer
Release samples

02 DYNAMICS Range: C2–D5

Dynamics
Level 1: Fortepiano and sforzato without vibrato
Level 2: Medium crescendo and diminuendo with vibrato (1.5 and 3 sec.); strong crescendo and diminuendo with vibrato (1.5, 3, and 5 sec.); medium crescendo and diminuendo without vibrato (2 and 4 sec.); crescendo-diminuendo with vibrato (2, 4, and 6 sec.); sforzatissimo without vibrato; fortepiano, sforzato, and sforzatissimo with vibrato

01 VC-8_dyn-me_Vib_1'5s **Samples: 148** **RAM: 9 MB** **Level 2**
Medium dynamics, 1.5 sec., vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

02 VC-8_dyn-me_Vib_3s **Samples: 148** **RAM: 9 MB** **Level 2**
Medium dynamics, 3 sec., vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 f-ff/ff-mf
AB switch: crescendo/diminuendo

03 VC-8_dyn-str_Vib_1'5s **Samples: 72** **RAM: 4 MB** **Level 2**
Strong dynamics, 1.5 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

04 VC-8_dyn-str_Vib_3s **Samples: 72** **RAM: 4 MB** **Level 2**
Strong dynamics, 3 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

05 VC-8_dyn-str_Vib_5s **Samples: 74** **RAM: 4 MB** **Level 2**
Strong dynamics, 5 sec., vibrato
1 velocity layer
AB switch: crescendo/diminuendo

06 VC-8_dyn-me_noVib_2s **Samples: 76** **RAM: 4 MB** **Level 2**
Medium dynamics, 2 sec., no vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

07 VC-8_dyn-me_noVib_4s **Samples: 76** **RAM: 4 MB** **Level 2**
Medium dynamics, 4 sec., no vibrato
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

08 VC-8_pfp_Vib_2s **Samples: 74** **RAM: 4 MB** **Level 2**
Crescendo-diminuendo, 2 sec., with vibrato
2 velocity layers: 0–88 p; 89–127 mf

09 VC-8_pfp_Vib_4s **Samples: 38** **RAM: 2 MB** **Level 2**
Crescendo-diminuendo, 4 sec., with vibrato
2 velocity layers: 0–88 p; 89–127 mf

10 VC-8_pfp_Vib_6s **Samples: 38** **RAM: 2 MB** **Level 2**

Crescendo-diminuendo, 6 sec., with vibrato
2 velocity layers: 0–88 p; 89–127 mf

11 VC-8_fp_Vib **Samples: 37** **RAM: 2 MB** **Level 2**

Fortepiano, vibrato
1 velocity layer
2 Alternations

12 VC-8_sfz_Vib **Samples: 37** **RAM: 2 MB** **Level 2**

Sforzato, vibrato
1 velocity layer
2 Alternations

13 VC-8_sffz_Vib **Samples: 37** **RAM: 2 MB** **Level 2**

Sforzatissimo, vibrato
1 velocity layer
2 Alternations

14 VC-8_fp_noVib **Samples: 19** **RAM: 1 MB** **Level 1**

Fortepiano, no vibrato
1 velocity layer

15 VC-8_sfz_noVib **Samples: 19** **RAM: 1 MB** **Level 1**

Sforzato, no vibrato
1 velocity layer

16 VC-8_sffz_noVib **Samples: 19** **RAM: 1 MB** **Level 2**

Sforzatissimo, no vibrato
1 velocity layer

03 TREMOLO + TRILLS Range: C2–D5

Tremolo and trills
Level 1: Tremolo sustained; trills half and whole tone
Level 2: Tremolo crescendo and diminuendo 2 sec., crescendo-diminuendo 3 sec.; trills half and whole tone dynamics and pfp; trills accelerando half and whole tone, normal and dynamics

01 VC-8_trem_sus **Samples: 221** **RAM: 13 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff
Release samples

02 VC-8_trem_sus_fA **Samples: 221** **RAM: 13 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 VC-8_trem_sus_fA_auto **Samples: 332** **RAM: 20 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

04 VC-8_trem_dyn_2s **Samples: 74** **RAM: 4 MB** **Level 2**

Tremolo crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

05 VC-8_trem_pfp_3s **Samples: 37** **RAM: 2 MB** **Level 2**

Tremolo crescendo-diminuendo, 3 sec.
1 velocity layer

10 VC-8_trill_1 **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VC-8_trill_2 **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VC-8_trill_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 VC-8_trill_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

14 VC-8_trill_1_pfp **Samples: 19** **RAM: 1 MB** **Level 2**

Trills: Half tone, crescendo-diminuendo
1 velocity layer

15 VC-8_trill_2_pfp **Samples: 19** **RAM: 1 MB** **Level 2**

Trills: Whole tone, crescendo-diminuendo
1 velocity layer

16 VC-8_trill-acc_1 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Accelerando, half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

17 VC-8_trill-acc_2 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills: Accelerando, whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

18 VC-8_trill-acc_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Accelerando, half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

19 VC-8_trill-acc_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Accelerando, whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ + LEGNO **Range: C2–D5**

Pizzicato and col legno
Level 1: Pizzicato normal and snap (Bartók)
Level 2: Pizzicato with vibrato and slow, pizzicato repetitions slow and fast, col legno normal and slow

01 VC-8_pizz **Samples: 185** **RAM: 11 MB** **Level 1**

Pizzicato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 VC-8_pizz_Vib **Samples: 74** **RAM: 4 MB** **Level 2**

Pizzicato, vibrato
2 velocity layers: 0–88 mf; 89–127 ff
2 Alternations

03 VC-8_pizz_slow **Samples: 111** **RAM: 6 MB** **Level 2**

Pizzicato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff
2 Alternations

04 VC-8_pizz_snap **Range: C2–E5** **Samples: 38** **RAM: 2 MB** **Level 1**

Snap pizzicato
1 velocity layer
2 Alternations

05 VC-8_pizz_perf-rep_sl **Samples: 190** **RAM: 11 MB** **Level 2**

Pizzicato, slow
2 velocity layers: 0–88 p; 89–127 f

06 VC-8_pizz_perf-rep_fa **Samples: 342** **RAM: 21 MB** **Level 2**

Pizzicato, fast
2 velocity layers: 0–88 p; 89–127 f

11 VC-8_col-legno **Samples: 148** **RAM: 9 MB** **Level 2**

Col legno
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

12 VC-8_col-legno_slow **Samples: 148** **RAM: 9 MB** **Level 2**

Col legno, slow
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

05 HARMONICS Range: C3–D6

Level 1: Artificial harmonics: Staccato, sustained
Level 2: Artificial harmonics: Repetition performances; Natural harmonics: Staccato, sustained
Harmonics patches are mapped an octave lower than they sound.

01 VC-8_harm-art_stac **Samples: 38** **RAM: 2 MB** **Level 1**

Artificial harmonics: Staccato
1 velocity layer: 0–127 mf
2 Alternations

02 VC-8_harm-art_sus **Samples: 38** **RAM: 2 MB** **Level 1**

Artificial harmonics: Sustained
1 velocity layer: 0–127 mf
Release samples

03 VC-8_harm-art_sus_fA **Samples: 38** **RAM: 2 MB** **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
1 velocity layer: 0–127 mf
Release samples

04 VC-8_harm-art_sus_fA_auto **Samples: 57** **RAM: 3 MB** **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
1 velocity layer
Release samples

05 VC-8_harm-art_perf-rep **Samples: 95** **RAM: 5 MB** **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer: 0–127 mf

11 VC-8_harm-nat_stac **Range: C2–G5** **Samples: 40** **RAM: 2 MB** **Level 2**

Natural harmonics: Staccato notes on every string, from 1st to 5th harmonic
The samples are mapped to white keys from C to G for each string.
1 velocity layer: 0–127 mf
2 Alternations

Mapping:
C – 1st (octave); D – 2nd (5th); E – 3rd (4th); F – 4th (maj. 3rd); G – 5th (min. 3rd)
C2–G2: C string; C3–G3: G string; C4–G4: D string; C5–G5: A string

12 VC-8_harm-nat_sus **Range: C2–G5** **Samples: 40** **RAM: 2 MB** **Level 2**

Natural harmonics: Sustained notes on every string, from 1st to 5th harmonic
The samples are mapped to white keys from C to G for each string.
1 velocity layer
Release samples

Mapping:
C – 1st (octave); D – 2nd (5th); E – 3rd (4th); F – 4th (maj. 3rd); G – 5th (min. 3rd)
C2–G2: C string; C3–G3: G string; C4–G4: D string; C5–G5: A string

06 PONTICELLO **Range: C2–D5**

Ponticello – bowed near the bridge, giving a louder, brighter sound.
Level 1: Staccato, sustained, tremolo
Level 2: Dynamics strong (1.5, 2.5, and 4 sec.), sforzato

01 VC-8_pon_staccato **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello staccato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

02 VC-8_pon_sus **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VC-8_pon_sus_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Ponticello sustained
Optimized attack for legato
2 velocity layers
Release samples

04 VC-8_pon_sus_fA_auto **Samples: 114** **RAM: 7 MB** **Level 2**

Ponticello sustained
Attack automation
Monophonic
2 velocity layers
Release samples

05 VC-8_pon_dyn-str_1'5s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 1.5 sec.
1 velocity layer
AB switch: crescendo/diminuendo

06 VC-8_pon_dyn-str_2'5s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 2.5 sec.
1 velocity layer
AB switch: crescendo/diminuendo

07 VC-8_pon_dyn-str_4s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

08 VC-8_pon_sfz **Samples: 19** **RAM: 1 MB** **Level 2**

Ponticello sforzato
1 velocity layer

09 VC-8_pon_trem **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello tremolo
2 velocity layers: 0–88 p; 89–127 f
Release samples

10 VC-8_pon_trem_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Ponticello tremolo
Optimized attack for legato
2 velocity layers
Release samples

11 VC-8_pon_trem_fA_auto **Samples: 114** **RAM: 7 MB** **Level 1**

Ponticello tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

07 CON SORDINO BASIC Range: C2–D5

Con sordino (muted)
Level 2: Staccato, détaché, sustained, dynamics medium (2 and 4 sec.), fortepiano, sforzato, tremolo, trills normal and dynamics, pizzicato

01 VC-8_mu_staccato **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, staccato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

02 VC-8_mu_detache **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, détaché
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

10 VC-8_mu_sus_Vib **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 VC-8_mu_sus_Vib_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, sustained
Optimized attack for legato
2 velocity layers
Release samples

12 VC-8_mu_sus_Vib_fA_auto **Samples: 114** **RAM: 7 MB** **Level 2**

Muted, sustained
Attack automation
Monophonic
2 velocity layers
Release samples

21 VC-8_mu_dyn-me_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, medium dynamics, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

22 VC-8_mu_dyn-me_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, medium dynamics, 4 sec.
2 velocity layers: 0–88 pp-mf/mf-pp; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

23 VC-8_mu_fp **Samples: 19** **RAM: 1 MB** **Level 2**

Muted, fortepiano
1 velocity layer

24 VC-8_mu_sfz **Samples: 19** **RAM: 1 MB** **Level 2**

Muted, sforzato
1 velocity layer

31 VC-8_mu_trem_sus **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, tremolo sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

32 VC-8_mu_trem_sus_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, tremolo
Optimized attack for legato
2 velocity layers
Release samples

33 VC-8_mu_trem_sus_fA_auto **Samples: 114** **RAM: 7 MB** **Level 2**

Muted, tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

34 VC-8_mu_trill_1 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills, muted: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

35 VC-8_mu_trill_2 **Samples: 76** **RAM: 4 MB** **Level 2**

Trills, muted: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

36 VC-8_mu_trill_1_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills, muted: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

37 VC-8_mu_trill_2_dyn **Samples: 38** **RAM: 2 MB** **Level 2**

Trills, muted: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

41 VC-8_mu_pizz **Samples: 76** **RAM: 4 MB** **Level 2**

Muted, pizzicato
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

10 PERF INTERVAL — Range: C2–C#5

Interval performances
Level 1: Legato, portamento
Level 2: Legato on the same string, muted legato and portamento

01 VC-8_perf-legato — Samples: 1059 RAM: 66 MB — Level 1

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VC-8_perf-legato_sus-4V — Samples: 1207 RAM: 75 MB — Level 2

Legato with 4 velocity layers in the sustains
Monophonic
4 velocity layers: Legato: 0–88 p; 89–127 f
Sustained: 0–55 p; 56–88 mf; 89–108 f; 109–127 ff
Release samples

03 VC-8_perf-legato_sul — Samples: 1057 RAM: 66 MB — Level 2

Legato on the same string
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 VC-8_perf-portamento — Range: C2–D5 Samples: 473 RAM: 29 MB — Level 1

Portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

11 VC-8_mu_perf-legato — Samples: 910 RAM: 56 MB — Level 2

Muted, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 VC-8_mu_perf-portamento — Samples: 483 RAM: 30 MB — Level 2

Muted, portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

11 PERF INTERVAL FAST — Range: C2–C#5

Interval performances, fast
Level 1: Legato
Level 2: Marcato and spiccato

01 VC-8_perf-legato_fa — Samples: 1277 RAM: 79 MB — Level 1

Legato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VC-8_perf-marcato_fa — Samples: 1277 RAM: 79 MB — Level 2

Marcato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 VC-8_perf-spiccato_fa — Range: C2–D5 Samples: 915 RAM: 57 MB — Level 2

Spiccato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f

12 PERF TRILL — Range: C2–D5

Multi interval performances
Level 2: Trills, legato, minor 2nd to major 3rd

01 VC-8_perf-trill_leg — Samples: 2355 RAM: 147 MB — Level 2

Trills, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 PERF REPETITION — Range: C2–D5

Repetition performances
Level 1: Legato slow, portato fast, spiccato
Level 2: Legato fast, portato slow, staccato, harsh;
dynamics for all articulations;
muted legato, portato, and staccato repetitions, normal and dynamics

01 VC-8_perf-rep_leg-sl — Samples: 285 RAM: 17 MB — Level 1

Legato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 VC-8_perf-rep_leg-fa — Samples: 285 RAM: 17 MB — Level 2

Legato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 VC-8_perf-rep_por-sl **Samples: 190** **RAM: 11 MB** **Level 2**

Portato, slow
2 velocity layers: 0–88 mf; 89–127 ff

04 VC-8_perf-rep_por-fa **Samples: 513** **RAM: 32 MB** **Level 1**

Portato, fast
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 VC-8_perf-rep_sta **Samples: 513** **RAM: 32 MB** **Level 2**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

06 VC-8_perf-rep_spi **Samples: 513** **RAM: 32 MB** **Level 1**

Spiccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

07 VC-8_perf-rep_harsh **Samples: 171** **RAM: 10 MB** **Level 2**

Harsh
1 velocity layer: 0–127 f

11 VC-8_mu_perf-rep_leg **Samples: 190** **RAM: 11 MB** **Level 2**

Muted, legato
2 velocity layers: 0–88 p; 89–127 f

12 VC-8_mu_perf-rep_por **Samples: 342** **RAM: 21 MB** **Level 2**

Muted, portato
2 velocity layers: 0–88 p; 89–127 f

13 VC-8_mu_perf-rep_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Muted, staccato
2 velocity layers: 0–88 p; 89–127 f

21 VC-8_perf-rep_dyn5_leg-sl **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 VC-8_perf-rep_dyn5_leg-fa **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, fast, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 VC-8_perf-rep_dyn9_por **Samples: 342** **RAM: 21 MB** **Level 2**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 VC-8_perf-rep_dyn9_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 VC-8_perf-rep_dyn9_spi **Samples: 342** **RAM: 21 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

26 VC-8_perf-rep_dyn9_harsh **Samples: 342** **RAM: 21 MB** **Level 2**

Harsh dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

31 VC-8_mu_perf-rep_dyn5_leg **Samples: 190** **RAM: 11 MB** **Level 2**

Muted legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

32 VC-8_mu_perf-rep_dyn9_por **Samples: 342** **RAM: 21 MB** **Level 2**

Muted portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

33 VC-8_mu_perf-rep_dyn9_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Muted staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 PERF UPBEAT REPETITION Range: C2–D5

Repetition performances
Level 2: 1 and 2 upbeats, slow and fast, normal and dynamics

01 VC-8_perf-rep_UB-a1_sl **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, slow
2 velocity layers: 0–88 p; 89–127 f

02 VC-8_perf-rep_UB-a2_sl **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, slow
2 velocity layers: 0–88 p; 89–127 f

03 VC-8_perf-rep_UB-a1_fa **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, fast
2 velocity layers: 0–88 p; 89–127 f

04 VC-8_perf-rep_UB-a2_fa **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, fast
2 velocity layers: 0–88 p; 89–127 f

11 VC-8_perf-rep_dyn4_UB-a1_sl **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, slow, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 VC-8_perf-rep_dyn4_UB-a2_sl **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, slow, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

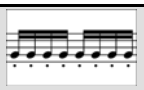
13 VC-8_perf-rep_dyn4_UB-a1_fa **Samples: 152** **RAM: 9 MB** **Level 2**

1 upbeat, fast, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 VC-8_perf-rep_dyn4_UB-a2_fa **Samples: 152** **RAM: 9 MB** **Level 2**

2 upbeats, fast, dynamics
4 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

15 FAST REPETITION Range: C2–D5



Fast repetitions
Level 2: Staccato, 9 repetitions, 150 to 190 BPM, normal and dynamics

01 VC-8_fast-rep_150 (160/170/180/190) **Samples: 114** **RAM: 7 MB** **Level 2**

Staccato, 9 repetitions, 150, 160, 170, 180, 190 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 VC-8_fast-rep_150_dyn (160/170/180/190) **Samples: 38** **RAM: 2 MB** **Level 2**

Staccato dynamics, 9 repetitions, 150, 160, 170, 180, 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

16 GRACE NOTES — Range: C2–D5

Phrases

Level 2: Grace notes, minor and major 2nd, up and down
The samples are mapped to the target note.

01 VC-8_grace-1 — Samples: 165 — RAM: 10 MB — Level 2

Grace notes, minor 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

02 VC-8_grace-2 — Samples: 165 — RAM: 10 MB — Level 2

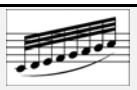
Grace notes, major 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

17 SCALE RUNS

Phrases

Level 2: Octave runs, legato, major and minor sharp from C to B on every note of the scale, chromatic, whole tone, and furioso; and spiccato, major, from C to B on every note of the scale.
Please note that upward runs can be played only to an octave below the upper play range, downward runs to an octave above the lower play range. The octave runs are mapped diatonically according to their scale.

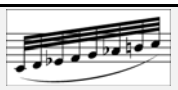
Legato major — Range: C2–D5



01 VC-8_run-leg_C-ma (through to B-ma) — Samples: 60 — RAM: 3 MB — Level 2

Octave runs, legato, C to B major, 200 BPM
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

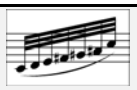
Legato minor — Range: C2–D5



01 VC-8_run-leg_C-mi (through to B-mi) — Samples: 30 — RAM: 1 MB — Level 2

Octave runs, legato, C to B minor, 200 BPM
1 velocity layer: 0–127 f
AB switch: up/down

Legato special — Range: C2–D5



01 VC-8_run-leg_chromatic — Samples: 52 — RAM: 3 MB — Level 2

Octave runs, legato, chromatic, 200 BPM
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

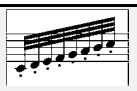
02 VC-8_run-leg_whole **Samples: 52** **RAM: 3 MB** **Level 2**

Octave runs, legato, whole tone, 200 BPM. Mapped chromatically
2 velocity layers: 0–88 p; 89–127 f
AB switch: up/down

03 VC-8_run-furioso **Samples: 26** **RAM: 1 MB** **Level 2**

Octave runs, furioso (ca. 300 BPM)
1 velocity layer
AB switch: up/down

Spiccato major **Range: C2–D5**



01 VC-8_run-spic_C-ma (through to B-ma) **Samples: 30** **RAM: 1 MB** **Level 2**

Octave runs, spiccato, C to B major, 140 BPM
1 velocity layer: 0–127 mf
AB switch: up/down

98 RESOURCES

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn **Range: C2–D5**

01_VC-8_rep_cre5_leg-sl-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato slow, crescendo, 1st to 5th note
1 velocity layer

01_VC-8_rep_dim5_leg-sl-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato slow, diminuendo, 1st to 5th note
1 velocity layer

02_VC-8_rep_cre5_leg-fa-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato fast, crescendo, 1st to 5th note
1 velocity layer

02_VC-8_rep_dim5_leg-fa-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato fast, diminuendo, 1st to 5th note
1 velocity layer

03_VC-8_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

03_VC-8_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

04_VC-8_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

04_VC-8_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

05_VC-8_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

05_VC-8_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

06_VC-8_rep_cre9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 9th note
1 velocity layer

06_VC-8_rep_dim9_harsh-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 9th note
1 velocity layer

07_VC-8_mu_rep_cre5_leg-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, muted, crescendo, 1st to 5th note
1 velocity layer

07_VC-8_mu_rep_dim5_leg-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Legato, muted, diminuendo, 1st to 5th note
1 velocity layer

08_VC-8_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19 RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, muted, crescendo, 1st to 9th note
1 velocity layer

08_VC-8_mu_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 19 RAM: 1 MB** **Level 2**

Extracted repetitions: Portato, muted, diminuendo, 1st to 9th note
1 velocity layer

09_VC-8_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, muted, crescendo, 1st to 9th note
1 velocity layer

09_VC-8_mu_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 19 RAM: 1 MB** **Level 2**

Extracted repetitions: Staccato, muted, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer — Range: C2–A#5

01 VC-8_sus_Vib-pp — Samples: 89 — RAM: 5 MB — Level 2

Sustained, vibrato, pp
1 velocity layer
Release samples

02 VC-8_sus_Vib-mp — Samples: 90 — RAM: 5 MB — Level 2

Sustained, vibrato, mp
1 velocity layer
Release samples

03 VC-8_sus_Vib-f — Samples: 90 — RAM: 5 MB — Level 2

Sustained, vibrato, f
1 velocity layer
Release samples

04 VC-8_sus_Vib-ff — Samples: 90 — RAM: 5 MB — Level 2

Sustained, vibrato, ff
1 velocity layer
Release samples

03 Perf Speed variation

01 VC-8_perf-marc_me — Range: C2–C#5 — Samples: 1133 — RAM: 70 MB — Level 2

Marcato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 VC-8_perf-spic_me — Range: C2–D5 — Samples: 1086 — RAM: 67 MB — Level 2

Spiccato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f

03 VC-8_stac-spic — Range: C2–A#5 — Samples: 258 — RAM: 16 MB — Level 2

Staccato/spiccato
3 velocity layers: 0–55 p; 56–88 mf; 89–127 f
4 Alternations

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 VC-8 Articulation Combi

Samples: 2320 RAM: 145 MB **Level 1**

Single note articulations
Long staccato, short détaché, sustained, flautando, fortepiano and sforzato, tremolo and trills;
ponticello staccato, sustained and tremolo;
artificial harmonics staccato and sustained;
normal and snap pizzicato

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
V1	stac. long	sus	flaut	fp	trem	trill half	pon. stac	pon. trem	harm. stac	pizz.
V2	dét. short	sus. auto	flaut. auto	sfz	trem. auto	trill whole	pon. sus	pon.trem auto	harm. sus	snap pizz.

L1 VC-8 Perf-Legato Speed + porta

Samples: 1812 RAM: 113 MB **Level 1**

Interval performances: Legato normal and fast, portamento
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	portamento	legato fast

L1 VC-8 Perf-Repetitions Combi

Samples: 1311 RAM: 81 MB **Level 1**

Repetition performances: Slow legato, fast portato, and spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 VC-8 Perf-Universal

Samples: 3941 RAM: 246 MB **Level 2**

Interval performances: Normal and fast legato; medium and fast marcato; slow, medium, and fast staccato/spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	normal	normal	fast
marcato	medium	medium	fast
spiccato	stac/spic	medium	fast

02 VC-8 Perf-Legato - All

Samples: 1968 RAM: 123 MB **Level 2**

Interval performances: Normal legato, legato with 4-layer sustains, legato on the same string, and portamento
Monophonic

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
legato	normal	4-layer	one string
portamento	porta.	porta.	porta.

03 VC-8 Perf-Trill Speed

Samples: 2935 RAM: 183 MB **Level 2**

Multi interval performances: Legato with 4-layer sustains, and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

04 VC-8 Short+Long notes - All

Samples: 1516 RAM: 94 MB **Level 2**

Single notes: Staccato and détaché short and long, sustained with and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato short	staccato long	détaché short	détaché long	sus. vibrato
V2	%	%	%	%	sus. no vibrato

05 VC-8 Perf-Harsh - Combi

Samples: 523 RAM: 32 MB **Level 2**

Sustained with vibrato variations, harsh articulation in the parallel cell
Cell crossfade vibrato/no vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1
V1	sus-vib./no vib.	harsh

Matrix - LEVEL 2 B - Standard

11 VC-8 Perf-Legato Speed

Samples: 1421 RAM: 88 MB **Level 2**

Interval performances: Normal and fast legato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

12 VC-8 Perf-Marcato Speed

Samples: 1421 RAM: 88 MB **Level 2**

Interval performances: Medium and fast marcato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	medium	fast

13 VC-8 Perf-Spiccato Speed

Samples: 1488 RAM: 93 MB **Level 2**

Interval performances: Staccato/spiccato, medium and fast performance spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	medium	fast

14 VC-8 Short notes - All

Samples: 1482 RAM: 92 MB **Level 2**

Single notes: Short and long staccato, short and long détaché, long portato without vibrato

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
short notes	staccato short	staccato long	détaché short	détaché long	port.long no vib.

15 VC-8 Long notes - All

Samples: 390 RAM: 24 MB **Level 2**

Single notes: Sustained with and without vibrato, flautando

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	no vibrato	flautando

16 VC-8 Dynamics - Small

Samples: 329 RAM: 20 MB **Level 2**

Strong dynamics: Crescendo/diminuendo 1.5, 3, and 5 sec., fortepiano, sforzato, sforzatissimo, all with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
strong dyn. vib.	1.5 sec.	3 sec.	5 sec.
fp vib.	%	%	%
sfz vib.	%	%	%
sffz vib.	%	%	%

17 VC-8 Dynamics - All

Samples: 927 RAM: 57 MB **Level 2**

Dynamics: Crescendo/diminuendo, medium with vibrato 1.5 and 3 sec.; strong with vibrato 1.5, 3, and 5 sec.; medium without vibrato 2 and 4 sec.
Crescendo-diminuendo with vibrato 2, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
medium dyn. vib.	1.5sec.	3sec.	3sec.
strong dyn. vib.	1.5sec.	3sec.	5sec.
med.dyn. no vib.	2sec.	4sec.	4sec.
pfp vib.	2sec.	4sec.	6sec.
special dyn.	fp	sfz	sffz

18 VC-8 Tremolo - All

Samples: 443 RAM: 27 MB Level 2

Tremolo: Sustained, sustained with attack automation, crescendo and diminuendo 2 sec., and crescendo-diminuendo 3 sec.

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
tremolo	sustained	auto attack	dyn. 2sec.	pfp 3sec.

19 VC-8 Trills - normal

Samples: 228 RAM: 14 MB Level 2

Trills: Half and whole tone, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

20 VC-8 Trills - accelerando

Samples: 228 RAM: 14 MB Level 2

Trills accelerando: Half and whole tone, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
half tone	normal	dynamics
whole tone	normal	dynamics

21 VC-8 Trills - All

Samples: 456 RAM: 28 MB Level 2

Trills: Half and whole tone, constant speed and accelerando, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
half tone	normal	dynamics	accel.	acc. dyn.
whole tone	normal	dynamics	accel.	acc. dyn.

22 VC-8 Pizzicato + Legno - All

Samples: 630 RAM: 39 MB Level 2

Normal, slow, and snap pizzicato; normal and slow col legno

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 3 zones

	C1	C#1
V1	pizzicato normal	col legno normal
V2	pizzicato slow	col legno slow
V3	pizzicato snap	col legno slow

23 VC-8 Harmonics artificial - All

Samples: 190 RAM: 11 MB Level 2

Artificial harmonics: Staccato, sustained, sustained with auto attack, repetition performances

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
harmonics artificial	staccato	sustained	sus. auto	perf. repetition

24 VC-8 Ponticello - All

Samples: 399 RAM: 24 MB **Level 2**

Ponticello: Staccato, sustained, sforzato, strong crescendo and diminuendo 2.5 and 4 sec., and tremolo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	dyn. 2.5sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4sec.	trem. auto attack

25 VC-8 Ponticello XF - All

Samples: 1756 RAM: 109 MB **Level 2**

Ponticello and normal: Staccato, sustained, sforzato, strong crescendo and diminuendo, and tremolo
Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sfz	dyn. 1.5sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4/3sec.	trem. auto attack

26 VC-8 Sordino - Small

Samples: 494 RAM: 30 MB **Level 2**

Con sordino: Staccato and détaché, sustained with vibrato, fortepiano, sforzato, tremolo sustained, and pizzicato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	fp	trem. sus	pizz.
V2	detache	sus. auto	sfz	trem. auto	pizz.

27 VC-8 Sordino - All

Samples: 2042 RAM: 127 MB **Level 2**

Con sordino: Legato and portamento interval performances, staccato and détaché, sustained with vibrato, fortepiano, sforzato, medium crescendo and diminuendo 2 and 4 sec., tremolo sustained, half and whole tone trills, and pizzicato

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	perf.legato	staccato	sustained	fp	med.dyn 2s.	trem. sus	trill half	pizz.
V2	perf.porta	detache	sus. auto	sfz	med.dyn 4s.	trem. auto	trill whole	pizz.

Matrix - LEVEL 2 C - Repetitions

31 VC-8 Perf-Repetitions - Combi

Samples: 1767 RAM: 110 MB **Level 2**

Repetition performances: Slow and fast legato, fast portato, staccato, and harsh

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
repetitions	leg. slow	leg. fast	port. fast	staccato	harsh

32 VC-8 Perf-Repetitions - Speed

Samples: 1596 RAM: 99 MB **Level 2**

Repetition performances: Slow and fast legato, fast portato, and spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	leg. slow	leg. fast	port. fast	spiccato

33 VC-8 Fast-Repetitions

Samples: 342 **RAM: 21 MB** **Level 2**

Fast repetitions: 150, 160, 170, 180, 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	150	160	170	180	190

34 VC-8 Upbeat Repetitions

Samples: 608 **RAM: 38 MB** **Level 2**

Repetition performances
1 and 2 upbeats, slow and fast

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
1 upbeat	slow	fast
2 upbeats	slow	fast

Matrix - LEVEL 2 D - Scale+Phrase

41 VC-8 Scale runs-legato - Major

Samples: 360 **RAM: 22 MB** **Level 2**

Octave runs, legato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

42 VC-8 Scale runs-legato - Minor

Samples: 180 **RAM: 11 MB** **Level 2**

Octave runs, legato, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

43 VC-8 Scale runs-legato - Special

Samples: 130 **RAM: 8 MB** **Level 2**

Octave runs, legato, chromatic and whole tone, and furioso
AB switch up/down

Matrix switches: Vertical: Modwheel, 3 zones

	legato
V1	chromatic
V2	whole tone
V3	furioso

44 VC-8 Scale runs-legato - All

Samples: 644 **RAM: 40 MB** **Level 2**

Octave runs, legato, C to B major and minor, chromatic and whole tone
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

45 VC-8 Scale runs-spiccato - Major

Samples: 180 **RAM: 11 MB** **Level 2**

Octave runs, spiccato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
spiccato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

46 VC-8 Grace notes - All

Samples: 241 **RAM: 15 MB** **Level 2**

Grace notes, half and whole tone
AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	interval
V1	min. 2nd
V2	maj. 2nd

Matrix - LEVEL 2 E - Keyswitch Vel

61 VC-8 Legato slow - cre5

Samples: 95 **RAM: 5 MB** **Level 2**

Slow legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

62 VC-8 Legato fast - cre5

Samples: 95 **RAM: 5 MB** **Level 2**

Fast legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

63 VC-8 Portato - cre9

Samples: 171 **RAM: 10 MB** **Level 2**

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

64 VC-8 Staccato - cre9

Samples: 171 **RAM: 10 MB** **Level 2**

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 VC-8 Spiccato - cre9 — Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 VC-8 Harsh - cre9 — Samples: 171 RAM: 10 MB Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 VC-8 Combi - cre5 — Samples: 190 RAM: 11 MB Level 2

Slow and fast legato: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%

68 VC-8 Combi - cre9 — Samples: 684 RAM: 42 MB Level 2

Portato, staccato, spiccato, harsh: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

71 VC-8 Legato slow - dim5 — Samples: 95 RAM: 5 MB Level 2

Slow legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 VC-8 Legato fast - dim5 — Samples: 95 RAM: 5 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

73 VC-8 Portato - dim9

Samples: 171 RAM: 10 MB Level 2

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 VC-8 Staccato - dim9

Samples: 171 RAM: 10 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 VC-8 Spiccato - dim9

Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 VC-8 Harsh - dim9

Samples: 171 RAM: 10 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 VC-8 Combi - dim5

Samples: 190 RAM: 11 MB Level 2

Slow and fast legato: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%

78 VC-8 Combi - dim9

Samples: 684 RAM: 42 MB Level 2

Portato, staccato, spiccato, harsh: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%
harsh	1st	%	%	%	%	%	%	%	%

81 VC-8 Sordino Leg - cre5 — Samples: 95 — RAM: 5 MB — Level 2

Con sordino, legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

82 VC-8 Sordino Port - cre9 — Samples: 171 — RAM: 10 MB — Level 2

Con sordino, portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

83 VC-8 Sordino Stac - cre9 — Samples: 171 — RAM: 10 MB — Level 2

Con sordino, staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

84 VC-8 Sordino Leg - dim5 — Samples: 95 — RAM: 5 MB — Level 2

Con sordino, legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

85 VC-8 Sordino Port - dim9 — Samples: 171 — RAM: 10 MB — Level 2

Con sordino, portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

86 VC-8 Sordino Stac - dim9 — Samples: 171 — RAM: 10 MB — Level 2

Con sordino, staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

Presets

VC-8 VSL Preset Level 1 **Samples: 5054 RAM: 315 MB Level 1**

L1 VC-8 Perf-Legato Speed + porta
L1 VC-8 Articulation Combi
L1 VC-8 Perf-Repetitions Combi

VC-8 VSL Preset Level 2 **Samples: 8864 RAM: 554 MB Level 2**

01 VC-8 Perf-Universal
02 VC-8 Perf-Legato - All
L1 VC-8 Articulation Combi
31 VC-8 Perf-Repetitions - Combi
68 VC-8 Combi - cre9
05 VC-8 Perf-Harsh – Combi

24 Basses orchestra

Description

The double bass is the contrabass instrument of the string section and, with its sloping shoulders and its string tuning to fourths, is not strictly speaking a member of the violin family (violin, viola, cello).

The modern symphony orchestra usually uses 6 (in especially large orchestras 8) double basses.

Range and notation

The double bass has a range from B0–G4 (harmonic G6).

It is the only transposing stringed instrument. Because of its deep pitch, its notation is written an octave higher than it sounds, in bass clef.

Sound characteristics

Heavy, weighty, dark, weightless, wafting, somber, earthy, resonant, rasping, broad, hollow, dull, mighty, menacing, violent, mellow, sustaining, aspirate.

Like the tuba, the double bass lacks the high partials due to its great size, although the first six partials are especially prominent which makes the timbre dark, broad and smooth.

Combination with other instruments

The double bass, as the fundamental bass instrument, is capable of particularly good tonal combinations with all the other instruments, especially with its smaller partner the cello and all harmony instruments as well. Its powerful sound must provide a solid foundation which can support the sound structure and with which the other instruments blend. On the other hand it is also capable of playing melody lines, solo lines which stand out.

The double bass blends well with the low woodwinds (bass clarinet and contrabassoon) and brass instruments (horn, trombone, tuba).

Patches

01 SHORT + LONG NOTES — Range: B0–D4

Single note articulations
Level 1: Long staccato, short détaché, sustained, flautando sustained
Level 2: Short staccato, long détaché, long portato

01 DB-6_staccato_short — Samples: 228 — RAM: 14 MB — Level 2

Short staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 DB-6_staccato_long — Range: B0–A4 — Samples: 270 — RAM: 16 MB — Level 1

Long staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 DB-6_detache_short — Samples: 266 — RAM: 16 MB — Level 1

Short détaché
4 velocity layers: 0–55 p; 56–108 mf; 109–118 f; 119–127 ff
4 Alternations

04 DB-6_detache_long — Samples: 228 — RAM: 14 MB — Level 2

Long détaché
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

05 DB-6_portato_long — Samples: 242 — RAM: 15 MB — Level 2

Long portato
4 velocity layers: 0–55 pp; 56–88 mf; 89–108 f; 109–127 ff
Release samples
2 Alternations

10 DB-6_sus — Range: B0–A4 — Samples: 180 — RAM: 11 MB — Level 1

Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 DB-6_sus_fA — Range: B0–A4 — Samples: 180 — RAM: 11 MB — Level 2

Sustained
Optimized attack for legato
2 velocity layers
Release samples

12 DB-6_sus_fA_auto **Range: B0–A4** **Samples: 270** **RAM: 16 MB** **Level 1**

Sustained
Attack automation
Monophonic
2 velocity layers
Release samples

16 DB-6_sus_flautando **Samples: 38** **RAM: 2 MB** **Level 1**

Sustained, flautando
1 velocity layer: 0–127 pp
Release samples

17 DB-6_sus_flautando_fA **Samples: 38** **RAM: 2 MB** **Level 2**

Sustained, flautando
Optimized attack for legato
1 velocity layer
Release samples

18 DB-6_sus_flautando_fA_auto **Samples: 57** **RAM: 3 MB** **Level 1**

Sustained, flautando
Attack automation
Monophonic
1 velocity layer
Release samples

02 DYNAMICS **Range: B0–D4**

Dynamics
Level 1: Fortepiano and sforzato
Level 2: Medium crescendo and diminuendo (2 and 3 sec.); strong crescendo and diminuendo (2, 3, and 5 sec.); crescendo-diminuendo (2, 4, and 6 sec.); sforzatissimo

01 DB-6_dyn-me_2s **Samples: 152** **RAM: 9 MB** **Level 2**

Medium dynamics, 2 sec.
2 velocity layers: 0–88 pp-mf/mf-p; 89–127 mf-ff/f-mf
AB switch: crescendo/diminuendo

02 DB-6_dyn-me_3s **Samples: 152** **RAM: 9 MB** **Level 2**

Medium dynamics, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-ff/ff-mf
AB switch: crescendo/diminuendo

03 DB-6_dyn-str_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Strong dynamics, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

04 DB-6_dyn-str_3s **Samples: 76** **RAM: 4 MB** **Level 2**

Strong dynamics, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

05 DB-6_dyn-str_5s **Samples: 76** **RAM: 4 MB** **Level 2**

Strong dynamics, 5 sec.
1 velocity layer
AB switch: crescendo/diminuendo

06 DB-6_pfp_2s **Samples: 76** **RAM: 4 MB** **Level 2**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 mf

07 DB-6_pfp_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Crescendo-diminuendo, 4 sec.
2 velocity layers: 0–88 p; 89–127 mf

08 DB-6_pfp_6s **Samples: 76** **RAM: 4 MB** **Level 2**

Crescendo-diminuendo, 6 sec.
2 velocity layers: 0–88 p; 89–127 mf

09 DB-6_fp **Samples: 38** **RAM: 2 MB** **Level 1**

Fortepiano
1 velocity layer
2 Alternations

10 DB-6_sfz **Samples: 38** **RAM: 2 MB** **Level 1**

Sforzato
1 velocity layer
2 Alternations

11 DB-6_sffz **Samples: 38** **RAM: 2 MB** **Level 2**

Sforzatissimo
1 velocity layer
2 Alternations

03 TREMOLO + TRILLS Range: B0–D4

Tremolo and trills
Level 1: Tremolo sustained; trills half and whole tone
Level 2: Tremolo crescendo and diminuendo, 2 and 4 sec.; trills half and whole tone, dynamics

01 DB-6_trem_sus **Samples: 190** **RAM: 11 MB** **Level 1**

Tremolo sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

02 DB-6_trem_sus_fA **Samples: 190** **RAM: 11 MB** **Level 2**

Tremolo sustained
Optimized attack for legato
3 velocity layers
Release samples

03 DB-6_trem_sus_fA_auto **Samples: 285** **RAM: 17 MB** **Level 1**

Tremolo sustained
Attack automation
Monophonic
3 velocity layers
Release samples

04 DB-6_trem_dyn_2s **Samples: 74** **RAM: 4 MB** **Level 2**

Tremolo crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

05 DB-6_trem_dyn_4s **Samples: 76** **RAM: 4 MB** **Level 2**

Tremolo crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

10 DB-6_trill_1 **Range: B0–C#4** **Samples: 76** **RAM: 4 MB** **Level 1**

Trills: Half tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 DB-6_trill_2 **Range: B0–C4** **Samples: 72** **RAM: 4 MB** **Level 1**

Trills: Whole tone
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 DB-6_trill_1_dyn **Range: B0–C#4** **Samples: 38** **RAM: 2 MB** **Level 2**

Trills: Half tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

13 DB-6_trill_2_dyn **Range: B0–C4** **Samples: 36** **RAM: 2 MB** **Level 2**

Trills: Whole tone, dynamics
1 velocity layer
AB switch: crescendo/diminuendo

04 PIZZ + LEGNO **Range: B0–D4**

Pizzicato and col legno
Level 1: Pizzicato normal and snap (Bartók)
Level 2: Pizzicato slow; pizzicato repetitions slow and fast; col legno normal and slow

01 DB-6_pizz **Samples: 152** **RAM: 9 MB** **Level 1**

Pizzicato
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

02 DB-6_pizz_slow **Samples: 114** **RAM: 7 MB** **Level 2**

Pizzicato, slow
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
2 Alternations

03 DB-6_pizz_snap **Samples: 38** **RAM: 2 MB** **Level 1**

Snap pizzicato
1 velocity layer: 0–127 ff
2 Alternations

04 DB-6_pizz_perf-rep_sl **Samples: 190** **RAM: 11 MB** **Level 2**

Pizzicato, slow
2 velocity layers: 0–88 p; 89–127 f

05 DB-6_pizz_perf-rep_fa **Samples: 342** **RAM: 21 MB** **Level 2**

Pizzicato, fast
2 velocity layers: 0–88 p; 89–127 f

11 DB-6_col-legno **Samples: 152** **RAM: 9 MB** **Level 2**

Col legno
2 velocity layers: 0–88 p; 89–127 f
4 Alternations

12 DB-6_col-legno_slow **Samples: 76** **RAM: 4 MB** **Level 2**

Col legno, slow
2 velocity layers: 0–88 p; 89–127 f
2 Alternations

05 HARMONICS Range: G2–E5

Level 1: Artificial harmonics: Staccato, sustained
Level 2: Artificial harmonics: Repetition performances; Natural harmonics: Staccato, sustained
Harmonics patches are mapped an octave lower than they sound.

01 DB-6_harm-art_stac **Range: G2–G5** **Samples: 36** **RAM: 2 MB** **Level 1**

Artificial harmonics: Staccato
1 velocity layer: 0–127 mf
2 Alternations

02 DB-6_harm-art_sus **Samples: 34** **RAM: 2 MB** **Level 1**

Artificial harmonics: Sustained
1 velocity layer: 0–127 mf
Release samples

03 DB-6_harm-art_sus_fA **Samples: 34** **RAM: 2 MB** **Level 2**

Artificial harmonics: Sustained
Optimized attack for legato
1 velocity layer
Release samples

04 DB-6_harm-art_sus_fA_auto **Samples: 51** **RAM: 3 MB** **Level 2**

Artificial harmonics: Sustained
Attack automation
Monophonic
1 velocity layer
Release samples

05 DB-6_harm-art_perf-rep **Samples: 85** **RAM: 5 MB** **Level 2**

Artificial harmonics: Repetition performances
1 velocity layer: 0–127 mf

06 PONTICELLO Range: B0–D4

Ponticello – bowed near the bridge, giving a louder, brighter sound.
Level 1: Staccato, sustained, tremolo
Level 2: Dynamics strong, 4 sec.; sforzato

01 DB-6_pon_staccato **Samples: 228** **RAM: 14 MB** **Level 1**

Ponticello staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 ff
4 Alternations

02 DB-6_pon_sus **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 DB-6_pon_sus_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Ponticello sustained
Optimized attack for legato
2 velocity layers
Release samples

04 DB-6_pon_sus_fA_auto **Samples: 114** **RAM: 7 MB** **Level 2**

Ponticello sustained
Attack automation
Monophonic
2 velocity layers
Release samples

05 DB-6_pon_dyn-str_4s **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello dynamics, strong, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

06 DB-6_pon_sfz **Samples: 38** **RAM: 2 MB** **Level 2**

Ponticello sforzato
1 velocity layer
2 Alternations

07 DB-6_pon_trem **Samples: 76** **RAM: 4 MB** **Level 1**

Ponticello tremolo
2 velocity layers: 0–88 p; 89–127 f
Release samples

08 DB-6_pon_trem_fA **Samples: 76** **RAM: 4 MB** **Level 2**

Ponticello tremolo
Optimized attack for legato
2 velocity layers
Release samples

09 DB-6_pon_trem_fA_auto **Samples: 114** **RAM: 7 MB** **Level 1**

Ponticello tremolo
Attack automation
Monophonic
2 velocity layers
Release samples

10 PERF INTERVAL **Range: B0–G#3**

Interval performances
Level 1: Legato, portamento

01 DB-6_perf-legato **Samples: 918** **RAM: 57 MB** **Level 1**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 DB-6_perf-portamento **Samples: 441** **RAM: 27 MB** **Level 1**

Portamento
Monophonic
1 velocity layer: 0–127 f
Release samples

11 PERF INTERVAL FAST

Interval performances, fast
Level 1: Legato
Level 2: Marcato and spiccato

01 DB-6_perf-legato_fa **Range: B0–G#3** **Samples: 1128** **RAM: 70 MB** **Level 1**

Legato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 DB-6_perf-marcato_fa **Range: B0–A#3** **Samples: 1184** **RAM: 74 MB** **Level 2**

Marcato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 DB-6_perf-spiccato_fa **Range: B0–A#3** **Samples: 1110** **RAM: 69 MB** **Level 2**

Spiccato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f

12 PERF TRILL

Range: B0–A#3

Multi interval performances
Level 2: Trills, legato, minor to major 2nd

01 DB-6_perf-trill_leg **Samples: 1502** **RAM: 93 MB** **Level 2**

Trills, legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 PERF REPETITION

Range: B0–D4

Repetition performances
Level 1: Legato slow, portato fast, spiccato
Level 2: Legato fast, portato slow, staccato, harsh; dynamics for all articulations

01 DB-6_perf-rep_leg-sl **Samples: 190** **RAM: 11 MB** **Level 1**

Legato, slow
2 velocity layers: 0–88 p; 89–127 f

02 DB-6_perf-rep_leg-fa **Samples: 190** **RAM: 11 MB** **Level 2**

Legato, fast
2 velocity layers: 0–88 p; 89–127 f

03 DB-6_perf-rep_por-sl **Samples: 285** **RAM: 17 MB** **Level 2**

Portato, slow
3 velocity layers: 0–88 p; 89–108 f; 109–127 ff

04 DB-6_perf-rep_por-fa **Samples: 684** **RAM: 42 MB** **Level 1**

Portato, fast
2 velocity layers: 0–88 p; 89–127 f

05 DB-6_perf-rep_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Staccato
2 velocity layers: 0–88 p; 89–127 f

06 DB-6_perf-rep_spi **Samples: 342** **RAM: 21 MB** **Level 1**

Spiccato
2 velocity layers: 0–88 p; 89–127 f

07 DB-6_perf-rep_harsh **Samples: 171** **RAM: 10 MB** **Level 2**

Harsh
1 velocity layer

21 DB-6_perf-rep_dyn5_leg-sl **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 DB-6_perf-rep_dyn5_leg-fa **Samples: 190** **RAM: 11 MB** **Level 2**

Legato dynamics, fast, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 DB-6_perf-rep_dyn5_por-sl **Samples: 190** **RAM: 11 MB** **Level 2**

Portato dynamics, slow, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 DB-6_perf-rep_dyn9_por-fa **Samples: 684** **RAM: 42 MB** **Level 2**

Portato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 DB-6_perf-rep_dyn9_sta **Samples: 342** **RAM: 21 MB** **Level 2**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

26 DB-6_perf-rep_dyn9_spi **Samples: 342** **RAM: 21 MB** **Level 2**

Spiccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

27 DB-6_perf-rep_dyn5_harsh **Samples: 190** **RAM: 11 MB** **Level 2**

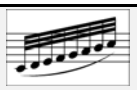
Harsh dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 SCALE RUNS

Phrases

Level 2: Octave runs, legato, major and minor sharp from C to B on every note of the scale; chromatic legato runs; and whole tone détaché, slow and fast
Please note that upward runs can be played only to an octave below the upper play range, downward runs to an octave above the lower play range. The octave runs are mapped diatonically according to their scale.

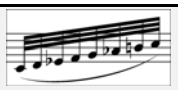
Legato major — Range: B0–G#3



01 DB-6_run-leg_C-ma (through to B-ma) — **Samples: 24** — **RAM: 1 MB** — **Level 2**

Octave runs, legato, C to B major, 180 BPM
1 velocity layer: 0–127 mf
AB switch: up/down

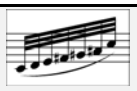
Legato minor — Range: B0–G#3



01 DB-6_run-leg_C-mi (through to B-mi) — **Samples: 26** — **RAM: 1 MB** — **Level 2**

Octave runs, legato, C to B minor, 180 BPM
1 velocity layer: 0–127 mf
AB switch: up/down

Special — Range: B0–A3



01 DB-6_run-leg_chromatic — **Samples: 22** — **RAM: 1 MB** — **Level 2**

Octave runs, legato, chromatic, 200 BPM
1 velocity layer: 0–127 f
AB switch: up/down

02 DB-6_run-det_whole_sl — **Samples: 22** — **RAM: 1 MB** — **Level 2**

Octave runs, détaché, whole tone, 150 BPM. Mapped chromatically
1 velocity layer: 0–127 f
AB switch: up/down

03 DB-6_run-det_whole_fa — **Samples: 22** — **RAM: 1 MB** — **Level 2**

Octave runs, détaché, whole tone, 200 BPM. Mapped chromatically
1 velocity layer: 0–127 f
AB switch: up/down

98 RESOURCES

Level 2: Isolated dynamics repetitions, single layer long notes, interval performance speed variations.

01 Perf Rep dyn — Range: B0–D4

01_DB-6_rep_cre5_leg-sl-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato slow, crescendo, 1st to 5th note
1 velocity layer

01_DB-6_rep_dim5_leg-sl-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato slow, diminuendo, 1st to 5th note
1 velocity layer

02_DB-6_rep_cre5_leg-fa-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato fast, crescendo, 1st to 5th note
1 velocity layer

02_DB-6_rep_dim5_leg-fa-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Legato fast, diminuendo, 1st to 5th note
1 velocity layer

03_DB-6_rep_cre5_por-sl-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Portato slow, crescendo, 1st to 5th note
1 velocity layer

03_DB-6_rep_dim5_por-sl-1 (2/3/4/5) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Portato slow, diminuendo, 1st to 5th note
1 velocity layer

04_DB-6_rep_cre9_por-fa-1 (2/3/4/5/6/7/8/9) — Samples: 38 — RAM: 2 MB — Level 2
Extracted repetitions: Portato fast, crescendo, 1st to 9th note
1 velocity layer

04_DB-6_rep_dim9_por-fa-1 (2/3/4/5/6/7/8/9) — Samples: 38 — RAM: 2 MB — Level 2
Extracted repetitions: Portato fast, diminuendo, 1st to 9th note
1 velocity layer

05_DB-6_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

05_DB-6_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

06_DB-6_rep_cre9_spi-1 (2/3/4/5/6/7/8/9) — Samples: 19 — RAM: 1 MB — Level 2
Extracted repetitions: Spiccato, crescendo, 1st to 9th note
1 velocity layer

06_DB-6_rep_dim9_spi-1 (2/3/4/5/6/7/8/9) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Spiccato, diminuendo, 1st to 9th note
1 velocity layer

07_DB-6_rep_cre5_harsh-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, crescendo, 1st to 5th note
1 velocity layer

07_DB-6_rep_dim5_harsh-1 (2/3/4/5) **Samples: 19** **RAM: 1 MB** **Level 2**

Extracted repetitions: Harsh, diminuendo, 1st to 5th note
1 velocity layer

02 Long Notes - Single Layer — Range: B0–A4

01 DB-6_sus_p **Samples: 90** **RAM: 5 MB** **Level 2**

Sustained, vibrato, p
1 velocity layer
Release samples

02 DB-6_sus_f **Samples: 90** **RAM: 5 MB** **Level 2**

Sustained, vibrato, f
1 velocity layer
Release samples

03 Perf Speed variation — Range: B0–A#3

02 DB-6_perf-marc_me **Samples: 982** **RAM: 61 MB** **Level 2**

Marcato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

03 DB-6_perf-spic_me **Samples: 1044** **RAM: 65 MB** **Level 2**

Spiccato, medium speed
Monophonic
2 velocity layers: 0–88 p; 89–127 f

03 DB-6_stac-spic **Samples: 148** **RAM: 9 MB** **Level 2**

Staccato/spiccato
2 velocity layers: 0–88 p; 89–127 mf
4 Alternations

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 DB-6 Articulation Combi

Samples: 2050 RAM: 128 MB **Level 1**

Single note articulations
Long staccato, short détaché, sustained, flautando, fortepiano and sforzato, tremolo and trills;
ponticello staccato, sustained and tremolo;
artificial harmonics staccato and sustained;
normal and snap pizzicato

Matrix switches: Horizontal: Keyswitches, C6–A6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6
V1	stac. long	sus	flaut	fp	trem	trill half	pon. stac	pon. trem	harm. stac	pizz.
V2	dét. short	sus. auto	flaut. auto	sfz	trem. auto	trill whole	pon. sus	pon.trem auto	harm. sus	snap pizz.

L1 DB-6 Perf-Legato Speed + porta

Samples: 1569 RAM: 98 MB **Level 1**

Interval performances: Legato normal and fast, portamento
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	portamento	legato fast

L1 DB-6 Perf-Repetitions Combi

Samples: 1216 RAM: 76 MB **Level 1**

Repetition performances: Slow legato, fast portato, and spiccato

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	spiccato

Matrix - LEVEL 2 A - Advanced

01 DB-6 Perf-Universal

Samples: 3610 RAM: 225 MB **Level 2**

Interval performances: Normal and fast legato; medium and fast marcato; slow, medium, and fast staccato/spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 3 zones

	H1	H2	H3
legato	normal	normal	fast
marcato	medium	medium	fast
spiccato	stac/spic	medium	fast

02 DB-6 Perf-Trill Speed

Samples: 1830 RAM: 114 MB **Level 2**

Multi interval performances: Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

03 DB-6 Short+Long notes - All

Samples: 1172 RAM: 73 MB **Level 2**

Single notes: Staccato and détaché short and long, sustained

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
V1	staccato short	staccato long	détaché short	détaché long	sustained

04 DB-6 Perf-Harsh - Combi

Samples: 351 RAM: 21 MB **Level 2**

Single notes: Sustained, harsh articulation in the parallel cell

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
V1	sus/harsh	harsh

Matrix - LEVEL 2 B - Standard

11 DB-6 Perf-Legato Speed

Samples: 1252 RAM: 78 MB **Level 2**

Interval performances: Normal and fast legato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

12 DB-6 Perf-Marcato Speed

Samples: 1322 RAM: 82 MB **Level 2**

Interval performances: Medium and fast marcato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	medium	fast

13 DB-6 Perf-Spiccato Speed

Samples: 1398 RAM: 87 MB **Level 2**

Interval performances: Staccato/spiccato, medium and fast performance spiccato
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
spiccato	stac/spic	medium	fast

14 DB-6 Short notes - All

Samples: 1234 RAM: 77 MB **Level 2**

Single notes: Short and long staccato, short and long détaché, long portato

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
short notes	staccato short	staccato long	détaché short	détaché long	port.long

15 DB-6 Long notes - All

Samples: 218 RAM: 13 MB **Level 2**

Single notes: Sustained and flautando

Matrix switches: Horizontal: Keyswitches, C6–C#6

	C6	C#6
V1	sustained	flautando

16 DB-6 Dynamics - Small

Samples: 342 RAM: 21 MB **Level 2**

Strong dynamics: Crescendo/diminuendo 2, 3, and 5 sec., fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
strong dyn.	2 sec.	3 sec.	5 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

17 DB-6 Dynamics - All

Samples: 874 RAM: 54 MB **Level 2**

Dynamics: Crescendo/diminuendo, medium 2 and 3 sec.; strong 2, 3, and 5 sec.
Crescendo-diminuendo 2, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo with vibrato

Matrix switches: Horizontal: Keyswitches, C6–D6 Vertical: Modwheel, 4 zones

	C6	C#6	D6
medium dyn.	2sec.	3sec.	3sec.
strong dyn.	2sec.	3sec.	5sec.
pfp	2sec.	4sec.	6sec.
special dyn.	fp	sfz	sffz

18 DB-6 Tremolo - All

Samples: 435 RAM: 27 MB **Level 2**

Tremolo: Sustained, sustained with attack automation, crescendo and diminuendo 2 and 4 sec.

Matrix switches: Horizontal: Keyswitches, C6–D#6

	C6	C#6	D6	D#6
tremolo	sustained	auto attack	dyn. 2sec.	dyn. 4sec.

19 DB-6 Trills - normal

Samples: 222 RAM: 13 MB **Level 2**

Trills: Half and whole tone, normal and dynamics

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 2 zones

	C6	C#6
half tone	normal	dynamics
whole tone	normal	dynamics

20 DB-6 Pizzicato + Legno - All

Samples: 532 RAM: 33 MB Level 2

Normal, slow, and snap pizzicato; normal and slow col legno

Matrix switches: Horizontal: Keyswitches, C6–C#6 Vertical: Modwheel, 3 zones

	C6	C#6
V1	pizzicatonormal	col legno normal
V2	pizzicato slow	col legno slow
V3	pizzicato snap	col legno slow

21 DB-6 Harmonics artificial - All

Samples: 172 RAM: 10 MB Level 2

Artificial harmonics: Staccato, sustained, sustained with auto attack, repetition performances

Matrix switches: Horizontal: Keyswitches, C6–D#6

	C6	C#6	D6	D#6
harmonics artificial	staccato	sustained	sus. auto	perf. repetition

22 DB-6 Ponticello - All

Samples: 532 RAM: 33 MB Level 2

Ponticello: Staccato, sustained, sforzato, strong crescendo and diminuendo 4 sec., and tremolo

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
V1	staccato	sustained	sfz	dyn. 4sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4sec.	trem. auto attack

23 DB-6 Ponticello XF - All

Samples: 1471 RAM: 91 MB Level 2

Ponticello and normal: Staccato, sustained, sforzato, strong crescendo and diminuendo 4/5 sec., and tremolo
Cell crossfade ponticello/normal

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 2 zones

	C6	C#6	D6	D#6	E6
V1	staccato	sustained	sfz	dyn. 4/5sec.	tremolo
V2	staccato	sus. auto attack	sfz	dyn. 4/5sec.	trem. auto attack

Matrix - LEVEL 2 C - Repetitions

31 DB-6 Perf-Repetitions - Combi

Samples: 1577 RAM: 98 MB Level 2

Repetition performances: Slow and fast legato, fast portato, staccato, and harsh

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
repetitions	leg. slow	leg. fast	port. fast	staccato	harsh

32 DB-6 Perf-Repetitions - Speed

Samples: 1406 RAM: 87 MB Level 2

Repetition performances: Slow and fast legato, fast portato, and spiccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
repetitions	leg. slow	leg. fast	port. fast	spiccato

Matrix - LEVEL 2 D - Scale+Phrase

41 DB-6 Scale runs-legato - Major

Samples: 146 **RAM: 9 MB** **Level 2**

Octave runs, legato, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C6–B6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6	A#6	B6
legato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

42 DB-6 Scale runs-legato - Minor

Samples: 146 **RAM: 9 MB** **Level 2**

Octave runs, legato, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C6–B6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6	A#6	B6
legato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

43 DB-6 Scale runs-legato - Special

Samples: 66 **RAM: 4 MB** **Level 2**

Octave runs, legato chromatic, and détaché whole tone fast and slow
AB switch up/down

Matrix switches: Vertical: Modwheel, 3 zones

	H1
legato	chromatic
détaché	whole tone fast
détaché	whole tone slow

44 DB-6 Scale runs-legato - All

Samples: 336 **RAM: 21 MB** **Level 2**

Octave runs, legato, C to B major and minor, chromatic; and fast détaché, whole tone
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C6–B6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6	A6	A#6	B6
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

Matrix - LEVEL 2 E - Keyswitch Vel

61 DB-6 Legato slow - cre5

Samples: 95 **RAM: 5 MB** **Level 2**

Slow legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

62 DB-6 Legato fast - cre5 — Samples: 95 — RAM: 5 MB — Level 2

Fast legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

63 DB-6 Portato slow - cre5 — Samples: 95 — RAM: 5 MB — Level 2

Slow Portato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

64 DB-6 Portato fast - cre9 — Samples: 342 — RAM: 21 MB — Level 2

Fast Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

65 DB-6 Staccato - cre9 — Samples: 171 — RAM: 10 MB — Level 2

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

66 DB-6 Spiccato - cre9 — Samples: 171 — RAM: 10 MB — Level 2

Spiccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

67 DB-6 Harsh - cre5 — Samples: 95 — RAM: 5 MB — Level 2

Harsh notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

68 DB-6 Combi - cre5 — Samples: 380 RAM: 23 MB Level 2

Slow and fast legato, slow portato, and harsh: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%
port. slow	1st	%	%	%	%
harsh	1st	%	%	%	%

69 DB-6 Combi - cre9 — Samples: 684 RAM: 42 MB Level 2

Portato fast, staccato, spiccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
port. fast	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%

71 DB-6 Legato slow - dim5 — Samples: 95 RAM: 5 MB Level 2

Slow legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

72 DB-6 Legato fast - dim5 — Samples: 95 RAM: 5 MB Level 2

Fast legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

73 DB-6 Portato slow - dim5 — Samples: 95 RAM: 5 MB Level 2

Slow portato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6

	C6	C#6	D6	D#6	E6
velocity	1st	2nd	3rd	4th	5th

74 DB-6 Portato fast - dim9 — Samples: 342 RAM: 21 MB Level 2

Fast portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

75 DB-6 Staccato - dim9 — Samples: 171 RAM: 10 MB Level 2

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

76 DB-6 Spiccato - dim9 — Samples: 171 RAM: 10 MB Level 2

Spiccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 DB-6 Harsh - dim5 — Samples: 95 RAM: 5 MB Level 2

Harsh notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 DB-6 Combi - dim5 — Samples: 380 RAM: 23 MB Level 2

Slow and fast legato, slow portato, and harsh: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 4 zones

	C6	C#6	D6	D#6	E6
leg. slow	1st	2nd	3rd	4th	5th
leg. fast	1st	%	%	%	%
port. slow	1st	%	%	%	%
harsh	1st	%	%	%	%

79 DB-6 Combi - dim9 — Samples: 684 RAM: 42 MB Level 2

Portato fast, staccato, spiccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C6–G#6 Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6	G#6
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%
spiccato	1st	%	%	%	%	%	%	%	%

Presets

DB-6 VSL Preset Level 1 **Samples: 4473 RAM: 279 MB** **Level 1**

L1 DB-6 Perf-Legato Speed + porta
L1 DB-6 Articulation Combi
L1 DB-6 Perf-Repetitions Combi

DB-6 VSL Preset Level 2 **Samples: 7868 RAM: 491 MB** **Level 2**

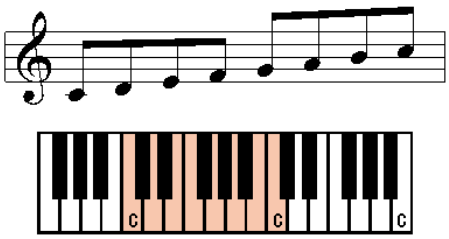
01 DB-6 Perf-Universal
L1 DB-6 Perf-Legato Speed + porta
L1 DB-6 Articulation Combi
31 DB-6 Perf-Repetitions - Combi
69 DB-6 Combi - cre9
04 DB-6 Perf-Harsh - Combi

Appendix 1 – Scale Layouts and Ranges

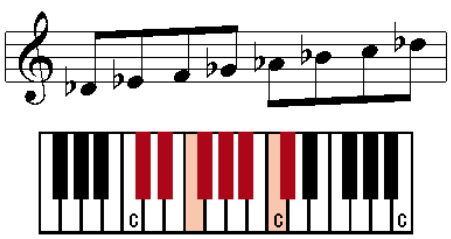
In the following, you will find notations and keyboard layout graphics for major and minor scale runs, as well as a list of playing ranges for the individual Patches.

Scale runs - major

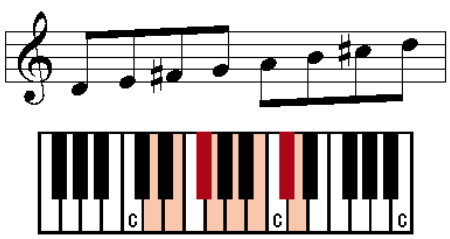
C major



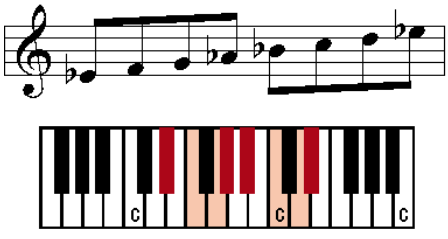
C#/Db major



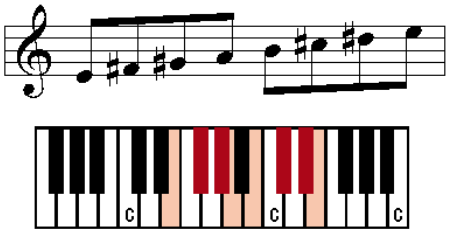
D major



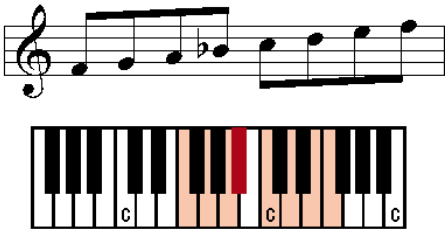
D#/Eb major



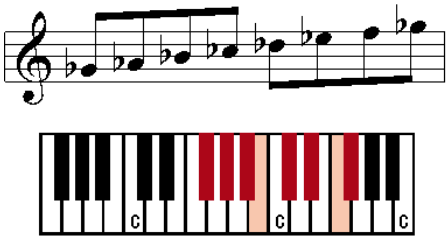
E major



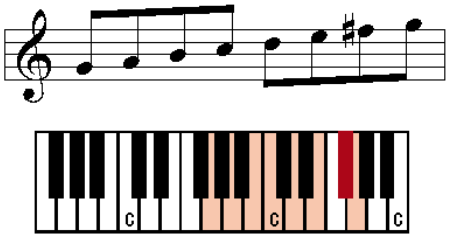
F major



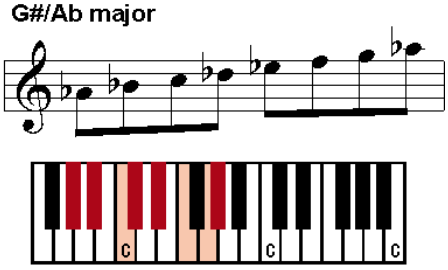
F#/Gb major



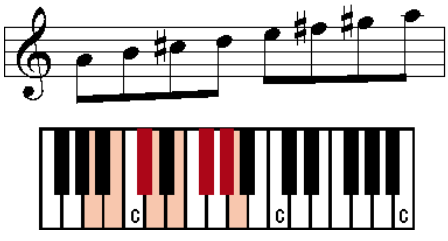
G major



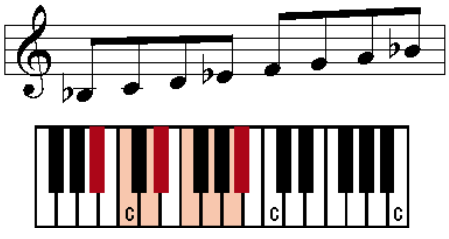
G#/Ab major



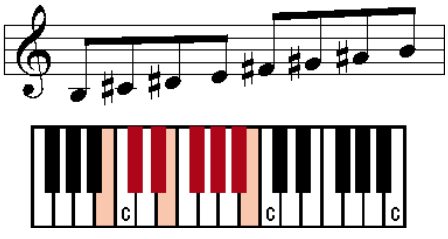
A major



A#/Bb major

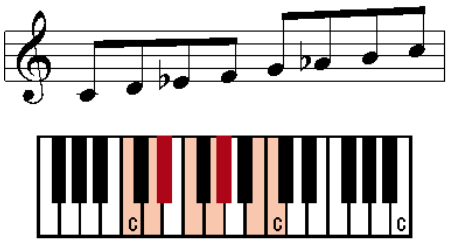


B major

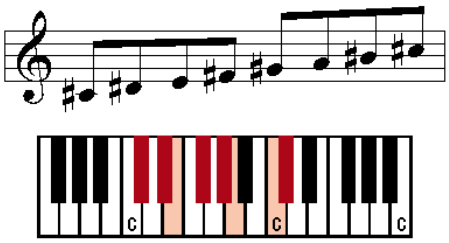


Scale runs - minor

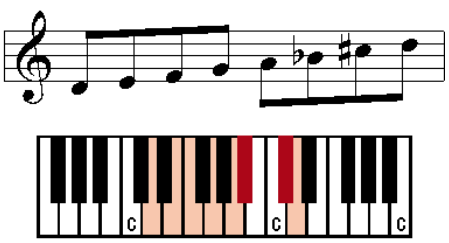
C minor



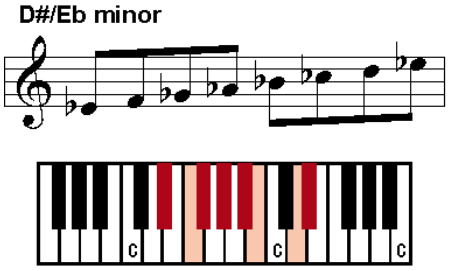
C#/Db minor



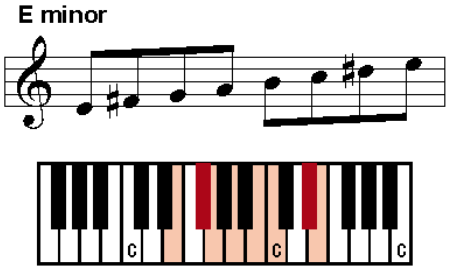
D minor



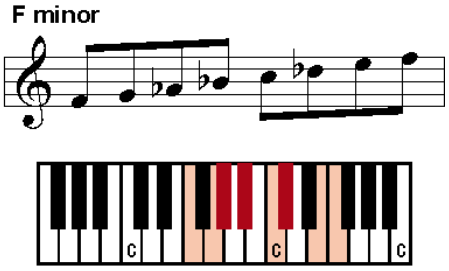
D#/Eb minor



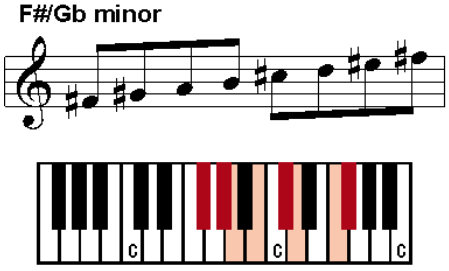
E minor



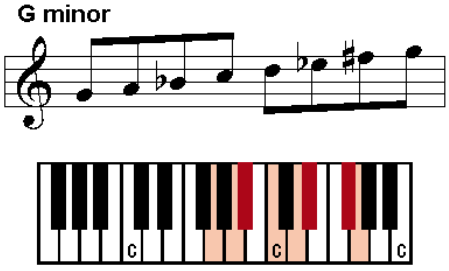
F minor



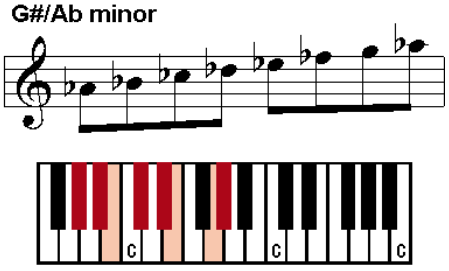
F#/Gb minor



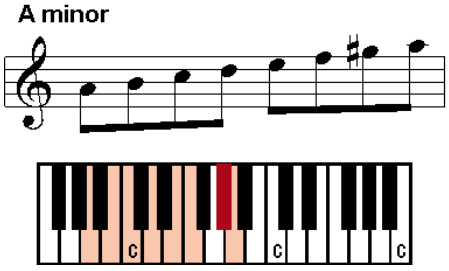
G minor



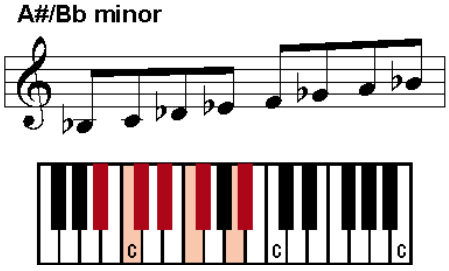
G#/Ab minor



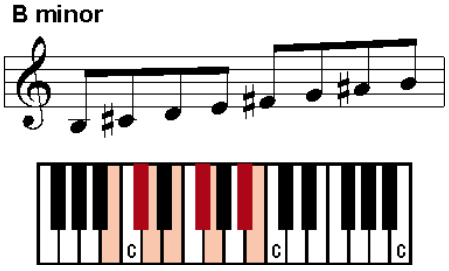
A minor



A#/Bb minor



B minor



Violins scale ranges

Legato major	play range
01 VI-14_run-leg_C-ma	G3–G6
02 VI-14_run-leg_C#-ma	G#3–G#6
03 VI-14_run-leg_D-ma	G3–A6
04 VI-14_run-leg_D#-ma	G#3–A#6
05 VI-14_run-leg_E-ma	G#3–G#6
06 VI-14_run-leg_F-ma	A3–A6
07 VI-14_run-leg_F#-ma	G#3–G#6
08 VI-14_run-leg_G-ma	A3–A6
09 VI-14_run-leg_G#-ma	G#3–G#6
10 VI-14_run-leg_A-ma	A3–A6
11 VI-14_run-leg_A#-ma	G3–G6
12 VI-14_run-leg_B-ma	G#3–G#6

Legato minor	play range
01 VI-14_run-leg_C-mi	G3–G#6
02 VI-14_run-leg_C#-mi	G#3–A6
03 VI-14_run-leg_D-mi	G3–A6
04 VI-14_run-leg_D#-mi	G#3–A#6
05 VI-14_run-leg_E-mi	G3–A6
06 VI-14_run-leg_F-mi	G#3–A#6
07 VI-14_run-leg_F#-mi	G#3–G#6
08 VI-14_run-leg_G-mi	A3–A6
09 VI-14_run-leg_G#-mi	G3–G#6
10 VI-14_run-leg_A-mi	G#3–A6
11 VI-14_run-leg_A#-mi	A3–A6
12 VI-14_run-leg_B-mi	A#3–A#6

Spiccato major	play range
01 Vl run-spic_C-ma	G3–G6
02 Vl run-spic_C#-ma	G#3–G#6
03 Vl run-spic_D-ma	G3–G6
04 Vl run-spic_D#-ma	G#3–G#6
05 Vl run-spic_E-ma	G#3–G#6
06 Vl run-spic_F-ma	A3–A6
07 Vl run-spic_F#-ma	G#3–G#6
08 Vl run-spic_G-ma	A3–A6
09 Vl run-spic_G#-ma	G#3–G#6
10 Vl run-spic_A-ma	A3–A6
11 Vl run-spic_A#-ma	G3–G6
12 Vl run-spic_B-ma	G#3–G#6

Violas scale ranges

Legato major	play range
01 VA-10_run-leg_C-ma	C3–C6
02 VA-10_run-leg_C#-ma	C#3–C#6
03 VA-10_run-leg_D-ma	C#3–C#6
04 VA-10_run-leg_D#-ma	D3–D6
05 VA-10_run-leg_E-ma	C#3–C#6
06 VA-10_run-leg_F-ma	D3–D6
07 VA-10_run-leg_F#-ma	C#3–C#6
08 VA-10_run-leg_G-ma	D3–D6
09 VA-10_run-leg_G#-ma	C3–C6
10 VA-10_run-leg_A-ma	C#3–C#6
11 VA-10_run-leg_A#-ma	C3–C6
12 VA-10_run-leg_B-ma	C#3–C#6

Legato minor	play range
01 VA-10_run-leg_C-mi	C3–C6
02 VA-10_run-leg_C#-mi	C#3–C#6
03 VA-10_run-leg_D-mi	C#3–D6
04 VA-10_run-leg_D#-mi	D3–D#6
05 VA-10_run-leg_E-mi	C3–C6
06 VA-10_run-leg_F-mi	C#3–C#6
07 VA-10_run-leg_F#-mi	C#3–C#6
08 VA-10_run-leg_G-mi	D3–D6
09 VA-10_run-leg_G#-mi	C#3–C#6
10 VA-10_run-leg_A-mi	D3–D6
11 VA-10_run-leg_A#-mi	C3–C6
12 VA-10_run-leg_B-mi	C#3–C#6

Spiccato major	play range
01 VA-10 run-spic_C-ma	C3–C6
02 VA-10 run-spic_C#-ma	C#3–C#6
03 VA-10 run-spic_D-ma	C#3–C#6
04 VA-10 run-spic_D#-ma	D3–D6
05 VA-10 run-spic_E-ma	C#3–C#6
06 VA-10 run-spic_F-ma	D3–D6
07 VA-10 run-spic_F#-ma	C#3–C#6
08 VA-10 run-spic_G-ma	D3–D6
09 VA-10 run-spic_G#-ma	C3–C6
10 VA-10 run-spic_A-ma	C#3–C#6
11 VA-10 run-spic_A#-ma	C3–C6
12 VA-10 run-spic_B-ma	C#3–C#6

Cellos scale ranges

Legato major	play range
01 VC-8_run-leg_C-ma	C2–C5
02 VC-8_run-leg_C#-ma	C#2–C#5
03 VC-8_run-leg_D-ma	C#2–C#5
04 VC-8_run-leg_D#-ma	D3–D5
05 VC-8_run-leg_E-ma	C#2–C#5
06 VC-8_run-leg_F-ma	D2–D5
07 VC-8_run-leg_F#-ma	C#2–C#5
08 VC-8_run-leg_G-ma	D2–D5
09 VC-8_run-leg_G#-ma	C2–C5
10 VC-8_run-leg_A-ma	C#2–C#5
11 VC-8_run-leg_A#-ma	C2–C5
12 VC-8_run-leg_B-ma	C#2–C#5

Legato minor	play range
01 VC-8_run-leg_C-mi	C2–C5
02 VC-8_run-leg_C#-mi	C#2–C#5
03 VC-8_run-leg_D-mi	C#2–C#5
04 VC-8_run-leg_D#-mi	D2–D5
05 VC-8_run-leg_E-mi	C2–C5
06 VC-8_run-leg_F-mi	C#2–C#5
07 VC-8_run-leg_F#-mi	C#2–C#5
08 VC-8_run-leg_G-mi	D2–D5
09 VC-8_run-leg_G#-mi	C#2–C#5
10 VC-8_run-leg_A-mi	D2–D5
11 VC-8_run-leg_A#-mi	C2–C5
12 VC-8_run-leg_B-mi	C#2–C#5

Spiccato major	play range
01 VC-8_run-spic_C-ma	C2–C5
02 VC-8_run-spic_C#-ma	C#2–C#5
03 VC-8_run-spic_D-ma	C#2–C#5
04 VC-8_run-spic_D#-ma	D2–D5
05 VC-8_run-spic_E-ma	C#2–C#5
06 VC-8_run-spic_F-ma	D2–D5
07 VC-8_run-spic_F#-ma	C#2–C#5
08 VC-8_run-spic_G-ma	D2–D5
09 VC-8_run-spic_G#-ma	C2–C5
10 VC-8_run-spic_A-ma	C#2–C#5
11 VC-8_run-spic_A#-ma	C2–C5
12 VC-8_run-spic_B-ma	C#2–C#5

Basses scale ranges

Legato major	play range
01 DB-6_run-leg_C-ma	C1–G3
02 DB-6_run-leg_C#-ma	C1–F#3
03 DB-6_run-leg_D-ma	C#1–G3
04 DB-6_run-leg_D#-ma	C1–G3
05 DB-6_run-leg_E-ma	C#1–G#3
06 DB-6_run-leg_F-ma	C1–G3
07 DB-6_run-leg_F#-ma	C#1–G#3
08 DB-6_run-leg_G-ma	B0–G3
09 DB-6_run-leg_G#-ma	C1–G#3
10 DB-6_run-leg_A-ma	B0–F#3
11 DB-6_run-leg_A#-ma	C1–G3
12 DB-6_run-leg_B-ma	B0–F#3

Legato minor	play range
01 DB-6_run-leg_C-mi	C1–G#3
02 DB-6_run-leg_C#-mi	C1–F#3
03 DB-6_run-leg_D-mi	C#1–G3
04 DB-6_run-leg_D#-mi	B0–F#3
05 DB-6_run-leg_E-mi	C1–G3
06 DB-6_run-leg_F-mi	C1–G3
07 DB-6_run-leg_F#-mi	C#1–G#3
08 DB-6_run-leg_G-mi	C1–G3
09 DB-6_run-leg_G#-mi	C#1–G#3
10 DB-6_run-leg_A-mi	B0–F3
11 DB-6_run-leg_A#-mi	C1–F#3
12 DB-6_run-leg_B-mi	B0–G3

Appendix 2 – Vienna Instruments PRO II Matrices and Presets

Update Installation – DVD Collections

All new VI PRO 2 Presets and Matrices are installed by installing the Library Updates, available in your User Area www.vsl.co.at/user.

Make sure that you have installed the latest version of Vienna Instruments PRO 2 and launch the Directory Manager.

WIN: "Start" button => "All programs" => "Vienna Instruments PRO"

OS X: "Applications" => "Vienna Instruments PRO"

Drag your downloaded Library Update .zip files on top of the sample content folder list in the Directory Manager; there is no need to unpack them first. It is also possible to take more than one .zip, as they will be installed one after the other. You will be guided through the update installation.

Attention: Please make sure to have all the Vienna Instruments Libraries you want to update loaded entirely in the Directory Manager – this will save you a few mouseclicks.

General Information

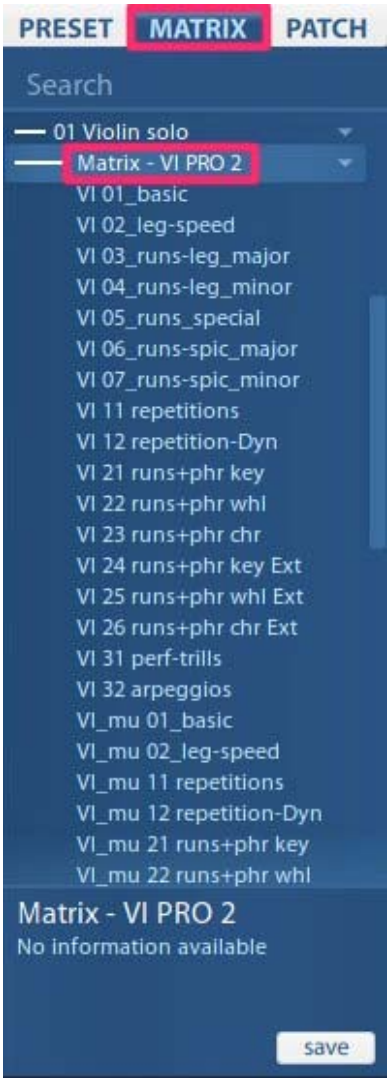
All Vienna Instruments PRO 2 Presets and Matrices have been saved with their cells disabled. This way you can load them quickly to analyze the various loaded Presets and Matrices.

If you activate "Force Enabled ON" in the Settings Menu, these Presets and Matrices will be loaded with enabled cells.

Single Instrument Matrices

There are special folders for Vienna Instruments PRO 2 in the Matrix list of all String and Wind Instruments:

"MATRIX – VI PRO 2"



These folders hold up to 17 new Matrices.

Matrices from 01–09 are "conventional" matrices, without the internal APP Sequencer activated.

Matrix 11 and higher contain sequence-based Matrices.

"01_basic" – The Allround Matrix

Available for all String and Wind Instruments.

A collection of the most essential articulations of the given instrument, with up to 40 different patches.

The Patches have been assembled from the Standard & Extended Library content of each Vienna Instruments Collection, but of course these Matrices are also available if you only have a license for the Standard Library of your Collection. The Patches that are not available will appear with a red background in the Matrix Cells and in the Slot Rack.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contra Bass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between main categories of Patches like short notes, sustains and Performance Intervals.

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to access different variations of a main category, e.g., sustains: with and without vibrato, with progressive vibrato.

Cell Configuration:

C Short Single Note samples (staccato, détaché, portato)
C# Sustains (with/without vibrato)
D Dynamic Single Notes (fortepiano, sforzando, sforzantissimo)
D# Performance Intervals (legato, trills, marcato, portamento)
E Performance Repetitions (legato, portato, staccato, spiccato, harsh)
F Fast Repetitions (in different tempos)
F# Tremolo, flutter tongue, recorded trills
G pizzicato, col legno (strings only)
G# Harmonics (strings only)
A Ponticello (strings only)

The configuration of individual Cells has been designed to be interchangeable throughout all instruments; e.g., a staccato will always be found in the same Cell position, irrespective of whether you are using a string or a wind instrument. This allows a quick change of instruments in your arrangement.

"02_leg-speed" (resp. "glissando-speed") – Tweakable Intervals

Available for all String and Woodwind Instruments, as well as for Brass Instruments with Glissando/Portamento Patches.

The new Enveloped Stretching tools in Vienna Instruments PRO 2 allow you to control the transition length of Performance Interval Patches in real-time.

> **Attention:** Loading or "enabling" these matrices for the first time will cause some delay due to the necessary rendering time.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between different Performance Interval Patches (legato, portamento, glissando).

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to access different transition lengths for the Performance Interval Patches.

CC1 =1 Slow transitions
CC1 = 64 Regular transitions
CC1 = 127 Fast transitions

"03_runs-leg_major" – Major runs on Speed

Available for all String and Wind Instruments with originally recorded Run Patches (Solo Violin, Orchestral Strings, selected Woodwinds, Trumpets)

Enveloped time-stretching lets you switch between different rendered speeds of the recorded runs in real-time.

The first cells of each matrix row show the tempo in BPM.

The originally played runs were performed as 32nd notes.

X-Axis Controller (horizontal): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

Use these Keyswitches to change between different scales from C major to B major.

Y-Axis Controller (vertical): CC1 (ModWheel)

Use the ModWheel to trigger different speed variations, up to 7 tempo variations.

CC1 = 1 Slowest
CC1 = 127 Fastest

> **Hint:** For a more accurate selection of the intended playing speed it will make sense to change the Y-Axis Controller to Keyswitches.

"04_runs-leg_minor" – Minor runs on Speed

Like Matrix "03_runs-leg_major", but based on minor harmonic scales.

"05_runs-special" – Special Scale runs on Speed

Like Matrix "03_runs-leg_major", but based on chromatic and whole-tone scales.

"11 repetitions" – Repetitions without restrictions

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The variations available in the Y-Axis are generally sequences assembled from one or 2 different articulations. For Strings, these are spiccato and staccato Performance Repetitions. For Wind Instruments, these are portato and staccato Performance Repetitions.

You can access up to 12 different pre-programmed patterns:

Slot 1	**"16th"**	16th notes based on one articulation.
Slot 2	**"16 2mc"**	16th notes based on two different articulations, accents are achieved by using the "longer" articulation.
Slot 3	**"16 mc"**	16th notes based on two different articulations, accents are achieved by using 2 "longer" articulations.
Slot 4	**"up 2"**	Sequence of one 8th note and two 16th notes.
Slot 5	**"up 1"**	Upbeats, sequence of one 8th note and one 16th note.
Slot 6	**"16 a3"**	Sequence of three 16th notes and one 16th rest.
Slot 7	**"triplet"**	8th triplets based on one articulation.
Slot 8	**"trip mc"**	8th triplets based on two different articulations, accents are achieved by using the "longer" articulation.
Slot 9	**"trip mc2"**	8th triplets based on two different articulations, every quarter beat is accentuated by using the "longer" articulation.
Slot 10	**"trip up1"**	Triplet Upbeats
Slot 11	**"Phrase A"**	Example 1 of a combination of different articulations.
Slot 12	**"Phrase B"**	Example 2 of a combination of different articulations.

"12 repetition-Dyn" – Dynamite Dynamics

Available for all String and Wind Instruments with perf-repetition_dyn Patches.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

The available patterns are based on Performance Repetition Patches. The different volumes of the contained notes are as originally recorded and are NOT triggered by MIDI velocity.

There are up to 9 different volume levels available for every recorded dynamic repetition pattern.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations are different successions of crescendo and diminuendo repetition patters in 16th notes.

Slot 1	**"cre-dim"**	Sequence of eight 16th notes from pp–ff, followed by eight 16th notes from ff–pp
Slot 2	**"dim-cre"**	Sequence of eight 16th notes from ff–pp, followed by eight 16th notes from pp–ff
Slot 3	**"cr-di sh"**	Sequence of four 16th notes from pp–ff, followed by 4 16th notes from ff–pp
Slot 4	**"di-cr sh"**	Sequence of four 16th notes from ff–pp, followed by four 16th notes from pp–ff
Slot 5	**"cre step"**	A series of 4 sequences, each with 4 16th notes, starting with pp. Every following sequence starts at the next higher volume from the preceding one.
Slot 6	**"dim step"**	A series of 4 sequences, each with 4 16th notes, starting with ff. Every following sequence starts with the next lower volume from the preceding one.
Slot 7	**"accent A"**	A series of 4 sequences, each with 4 16th notes, with an accentuation on the quarter beat and crescendos towards the accentuated notes.
Slot 8	**"accent B"**	A series of 4 sequence parts, each with 4 16th notes, with an accentuation on the quarter beat and strong cresendos towards the accentuated notes.
Slot 9	**"Phrase A"**	Example 1 of a combination of different articulations.
Slot 10	**"Phrase B"**	Example 2 of a combination of different articulations.
Slot 11	**"Phrase C"**	Example 3 of a combination of different articulations.
Slot 12	**"Phrase D"**	Example 4 of a combination of different articulations.

"21 runs+phr key" – Diatonic Runs & Phrases

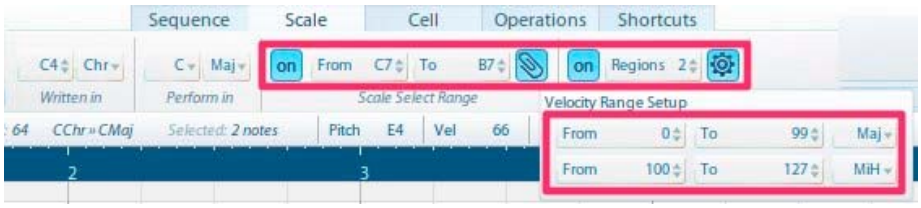
Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7 (except Piccolo Flute: C3–B3).

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the "Scale Select Range" and "Velocity Switch" functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the patches used is based on Performance Fast Legatos, and Slurred Fast Legatos for most string ensembles.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of upwards and downwards runs and phrases in different lengths.

Slot 1	**"Oct up"**	Diatonic run upwards, 1 octave
Slot 2	**"Oct do"**	Diatonic run downwards, 1 octave
Slot 3	**"Oct ac-u"**	Diatonic run upwards, 1 octave, with a slight accelerando
Slot 4	**"Oct ac-d"**	Diatonic run downwards, 1 octave, with a slight accelerando
Slot 5	**"2 Oct up"**	Diatonic run upwards, 2 octaves
Slot 6	**"2 Oct do"**	Diatonic run downwards, 2 octaves
Slot 7	**"Quint up"**	Diatonic run upwards, 1 fifth
Slot 8	**"Quint do"**	Diatonic run downwards, 1 fifth
Slot 9	**"Phr A up"**	Progressive phrase upwards (step by step) with a repetition note, 1 octave.
Slot 10	**"Phr A do"**	Progressive phrase downwards (step by step) with a repetition note, 1 octave.
Slot 11	**"Phr B up"**	Progressive "mordent phrase" upwards (step by step), 1 octave.
Slot 12	**"Phr B do"**	Progressive "mordent phrase" downwards (step by step), 1 octave.

"22 runs+phr whl" – Whole-tone Runs & Phrases

Like Matrix "21 runs+phr key", but based on whole-tone scales.

"23 runs+phr chr" – Chromatic Runs & Phrases

Like Matrix "21 runs+phr key", but based on chromatic scales.

"24 runs+phr key ext"

Like Matrix "21 runs+phr key", based on fast Marcato Performance Patches.

> **Attention:** "Ext" Matrices are only available if the Extended Library of the corresponding Collection is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

"25 runs+phr whl ext"

Like Matrix "21 runs+phr key", based on fast Marcato Performance Patches and whole-tone scales.

"26 runs+phr chr ext"

Like Matrix "21 runs+phr key", based on fast Marcato Performance Patches and chromatic scales.

"31 perf-trills" – Thrilling Trills

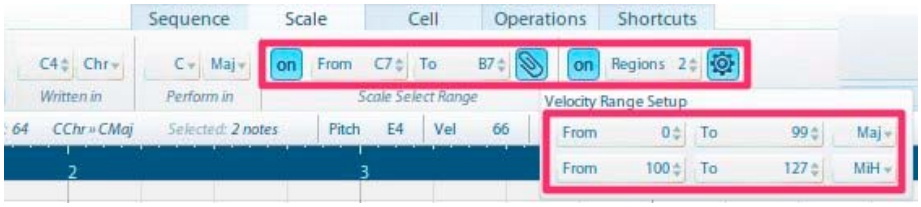
Available for all String and Wind Instruments with Performance Trill Patches.

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer's "Sequence" tab.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7 (except Piccolo Flute: C3–B3).

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major Scale
Velocity 100–127: Minor Harmonic Scale

> **Attention:** If this Matrix is loaded into an empty preset on its own, the "Scale Select Range" and "Velocity Switch" functions in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the Patches used is based on Performance Trill Patches.

Y-Axis Controller (vertical): Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards
For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of trills in different speeds, accelerating or decelerating, plus a variety of mordents and inverted mordents ("Pralltriller").

Slot 1	**"trill"**	Trill, middle tempo.
Slot 2	**"trill ac"**	Trill, accelerating.
Slot 3	**"trill fa"**	Trill, fast tempo.
Slot 4	**"trill ri"**	Trill, decelerating.
Slot 5	**"mord up1"**	Embellishment, starting with upwards note.
Slot 6	**"mord do1"**	Embellishment, starting with downwards note.
Slot 7	**"mord up2"**	Embellishment, starting with two upwards notes.
Slot 8	**"mord up2+"**	Embellishment, starting with two upwards notes (variation).
Slot 9	**"mord do2"**	Embellishment, starting with two downwards notes.
Slot 10	**"mord do2+"**	Embellishment, starting with two downwards notes (variation).
Slot 11	**"Prall up"**	Inverted mordent ("Pralltriller") upwards
Slot 12	**"Prall do"**	Inverted mordent ("Pralltriller") downwards

"32 arpeggios" – Fantastic Four String Arpeggios

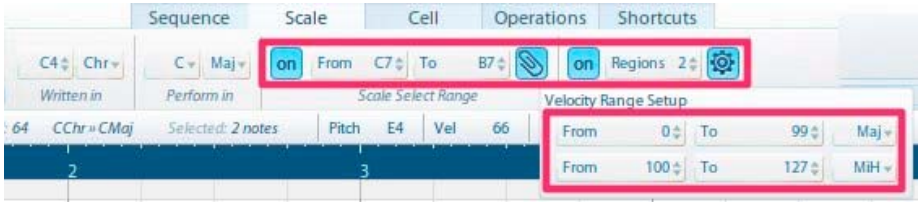
Available for all String Instruments except Double Basses.

APP Sequencer-based Matrix, Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

Attention: If this Matrix is loaded into an empty preset on its own, the "Scale Select Range" and "Velocity Switch" in the APP sequencer (Scale Tab) must be activated.



X-Axis Controller: Articulations are assigned in the APP Sequencer (Cell Tab)

The major part of the used patches is based on Performance Legato Patches, in combination with Performance Repetitions.

Y-Axis Controller: Keyswitches

Only for Bass to Soprano Instruments (lowest note C2): C1 upwards

The available variations in the Y-Axis are the most essential arpeggio chords over 4 strings within a scale (except #12).

Slot 1	**"ma3 root"**	Arpeggio Sequence, as an example in C major: C–G–E–C
Slot 2	**"ma3 inv1"**	Arpeggio Sequence, as an example in C major: C–A–E–A
Slot 3	**"ma3 inv2"**	Arpeggio Sequence, as an example in C major: C–A–F–C
Slot 4	**"ma7 root"**	Arpeggio Sequence, as an example in C major: C–G–E–B
Slot 5	**"ma7 inv1"**	Arpeggio Sequence, as an example in C major: C–G–E–A
Slot 6	**"ma7 inv2"**	Arpeggio Sequence, as an example in C major: C–A–F–E
Slot 7	**"ma7 inv3"**	Arpeggio Sequence, as an example in C major: C–A–F–D
Slot 8	**"ma9 1"**	Arpeggio Sequence, as an example in C major: C–G–D–B
Slot 9	**"ma9 2"**	Arpeggio Sequence, as an example in C major: C–G–E–D
Slot 10	**"ma9 3"**	Arpeggio Sequence, as an example in C major: C–A–E–D
Slot 11	**"Qua–Qui"**	Arpeggio Sequence, as an example in C major: C–F–C–F
Slot 12	**"augm chr"**	Arpeggio Sequence, as an example in C major: C–G#–E–C

Single Instrument Presets

All Vienna Instruments PRO 2 Single Instrument Presets are contained in the already existing Preset folders. They are placed right before the original Vienna Instruments Presets.

All Cells are saved in "disabled" status (without any loaded samples). If you want your Presets to be loaded with their Cells automatically enabled, just activate "Force Enabled ON/OFF" in the Settings menu.

Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Matrix switching: Keyswitches

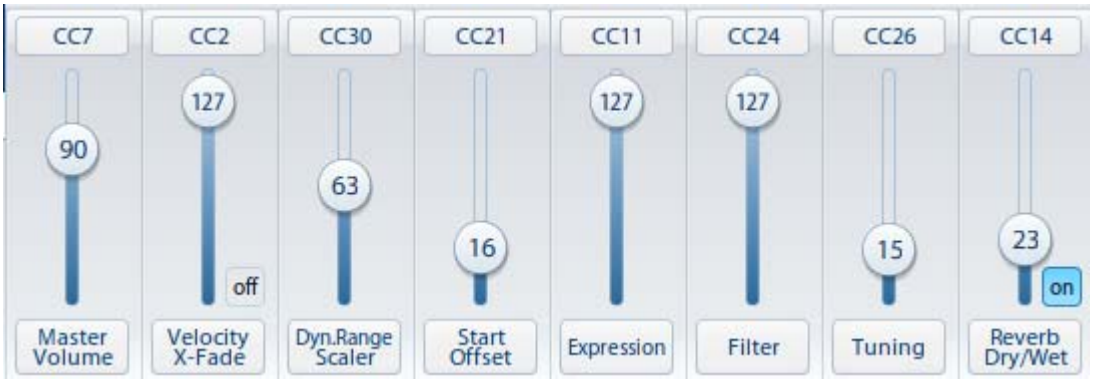
For Alto and Soprano Instruments (lowest note C3): C2 upwards
For Bass and Tenor Instruments (lowest notes below C3): C6 upwards
For Contrabass Instruments (lowest notes below C2): C5 upwards

Internal reverb is activated!

Tuning Table: 12-tone

Assignment of the most important controllers (pre-configured sliders in Basic View)

Master Volume	CC7
Velocity X-Fade	CC2
Velocity X-Fade ON/OFF switch	CC28
Dyn Range scaler	CC30
Start Offset scaler	CC21
Expression	CC11
Filter	CC24
Tuning	CC26 (scales Humanize Tuning Curves)
Reverb Dry/Wet	CC14
Reverb ON/OFF switch	CC15



Common Matrix assignments (if corresponding Patches are available):

C 01_basic
C# 11 repetitions
D 12 repetition-Dyn
D# 21 runs+phr key
E 22 runs+phr whl
F 23 runs+phr chr
F# 24 runs+phr key ext
G 25 runs+phr whl ext
G# 26 runs+phr chr ext
A 31 perf-trills
A# 32 arpeggios

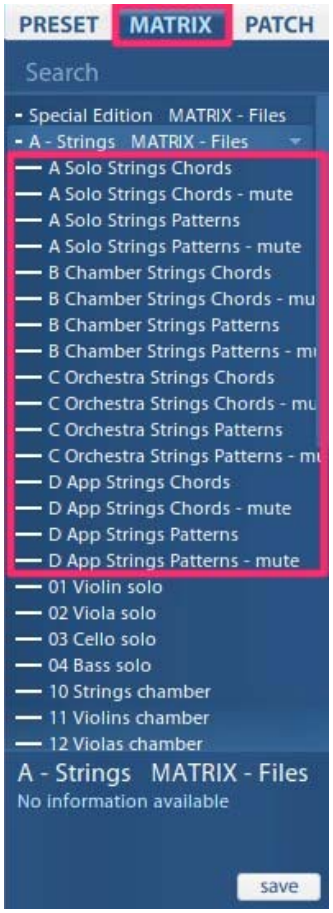
Chord Matrices

The Matrix Browser displays Chord Matrices in a new folder above the corresponding instrument group's original Single Instruments folder.

The following Chord Matrix folders are available and will be displayed if the respective licenses are available:

String MATRIX Files

A Solo Strings	*License:* Solo Strings
A Solo Strings – mute	*License:* Solo Strings II
B Chamber Strings	*License:* Chamber Strings
B Chamber Strings II	*License:* Chamber Strings II
C Orchestra Strings	*Licenses:* Orchestra Violins/Violas, Orchestra Celli/Bassi
C Orchestra Strings – mute	*Licenses:* Orchestra Violins/Violas, Orchestra Celli/Bassi
D Appassionata Strings	*License:* Appassionata Strings I
D Appassionata Strings – mute	*License:* Appassionata Strings II



All Chord Matrices are based on APP Sequences and consist of chords with 4 or 5 voices with the following voicing:

1st Voice	Violins 1
2nd Voice	Violins 2
3rd Voice	Violas
4th Voice	Cellos
5th Voice	Double Basses

Chord Matrices

"01 Chords (8)"

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Selection of 12 scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Keyswitches to trigger the most important articulations:

C6	Performance Legato
C#6	Portamento (Strings) or Sustain Vibrato (Winds)
D6	Staccato
D#6	Détaché (Strings) or Portato short (Winds)
E6	Sustain with vibrato (Strings) or Sustain without vibrato (Winds)
F6	Fortepiano (Appassionata Strings: Sforzando)
F#6	Sforzando
G6	Performance Repetition (Legato)
G#6	Performance Repetition Portato (Solo Strings: Staccato)
A6	Performance Repetition Spiccato (Strings) or Staccato (Winds)
A#6	Tremolo (Strings) or Flutter Tongue (Winds)
B6	Pizzicato (Strings) or Sforzatissimo (Winds)

Y-Axis Controller (vertical): Keyswitches for a choice of different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note.

C1	"ma3 root"	Triad, bass note on the root note
C#1	"ma3 inv1"	Triad, bass note on the third
D1	"ma3 inv2"	Triad, bass note on the fifth
D#1	"ma7 root"	Seventh chord, bass note as root
E1	"ma7 inv1"	Seventh chord, bass note on the third
F1	"ma7 inv2"	Seventh chord, bass note on the fifth
F#1	"ma7 inv3"	Seventh chord, bass note on the seventh
G1	"ma9"	Ninth chord
G#1	"dim7 chr"	Diminished Seventh chord (chromatic transposition)
A1	"augm chr"	Augmented Triad (chromatic transposition)
A#1	"root + 5th"	Chord without third
B1	"5th 3x"	Chord in steps of fifths

"02 Chords (3)"

Like Matrix "01 Chords (8)", soprano voice on the third

"03 Chords (5)"

Like Matrix "01 Chords (8)", soprano voice on the fifth

"04 Chords (7+8)"

Like Matrix "01 Chords (8)", soprano voice on the octave or on the seventh (with all Seventh chords)

"05 Chords (8) Ext"

Like Matrix "01 Chords (8)", partly based on alternative articulations in the X-Axis (if Extended Library content is available).

C6 Performance Trills
C#6 Performance Marcato
D6 Performance Spiccato (Strings) or Single Note Staccato (Winds)
D#6 Détaché long (Strings) or Portato medium (Winds)
E6 Sustain without vibrato
F6 Short Crescendos & Diminuendos (ca. 2 seconds), switch with A/B Switch
F#6 pfp (crescendo – diminuendo)
•G6 Performance Repetition Legato (except Appassionata Strings: pfp long)
G#6 Performance Repetition Portato (except Appassionata Strings: Performance sfz)
A6 Performance Repetition Harsh (Strings) or Staccato (Winds)
A#6 Harmonics (Strings except Appassionata Strings) or Flutter tongue (Winds)
B6 (Snap) Pizzicato (Strings) or Sforzatissimo (Winds)

"06 Chords (3) Ext"

Like Matrix "05 Chords (8) Ext", soprano voice on the third

"07 Chords (5) Ext"

Like Matrix "05 Chords (8) Ext", soprano voice on the fifth

"08 Chords (7+8) Ext"

Like Matrix "05 Chords (8) Ext", soprano voice on the octave or on the seventh (with all seventh chords)

"11 Cho-rep (8)"

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches for a choice between different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note; all sequences are based on a 16th-note repetition pattern chord.

C1	"ma3 root"	Triad, bass note on the root note
C#1	"ma3 inv1"	Triad, bass note on the third
D1	"ma3 inv2"	Triad, bass note on the fifth
D#1	"ma7 root"	Seventh chord, bass note as root
E1	"ma7 inv1"	Seventh chord, bass note on the third
F1	"ma7 inv2"	Seventh chord, bass note on the fifth
F#1	"ma7 inv3"	Seventh chord, bass note on the seventh
G1	"ma9"	Ninth chord
G#1	"dim7 chr"	Diminished Seventh chord (chromatic transposition)
A1	"augm chr"	Augmented Triad (chromatic transposition)
A#1	"root + 5th"	Chord without third
B1	"5th 3x"	Chord in steps of fifths

"12 Cho-rep (3)"

Like Matrix "11 Cho-rep (8)", soprano voice on the third

"13 Cho-rep (5)"

Like Matrix "11 Cho-rep (8)", soprano voice on the fifth

"14 Cho-rep (7+8)"

Like Matrix "11 Cho-rep (8)", soprano voice on the octave or on the seventh (with all seventh chords)

"15 Cho-repDyn (8)"

Available for all instrument groups with Chord Matrices.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

Y-Axis Controller (vertical): Keyswitches for a choice between different chord inversions and additional chords like diminished, augmented and ninth chords

With all variations, the soprano voice plays the root note; all sequences are based on a 16th-note repetition pattern chord with dynamic changes, and contain eight 16ths from pp–ff and eight 16ths from ff–pp.

C1	"ma3 root"	Triad, bass note on the root note
C#1	"ma3 inv1"	Triad, bass note on the third
D1	"ma3 inv2"	Triad, bass note on the fifth
D#1	"ma7 root"	Seventh chord, bass note as root
E1	"ma7 inv1"	Seventh chord, bass note on the third
F1	"ma7 inv2"	Seventh chord, bass note on the fifth
F#1	"ma7 inv3"	Seventh chord, bass note on the seventh
G1	"ma9"	Ninth chord
G#1	"dim7 chr"	Diminished Seventh chord (chromatic transposition)
A1	"augm chr"	Augmented Triad (chromatic transposition)
A#1	"root + 5th"	Chord without third
B1	"5th 3x"	Chord in steps of fifths

"16 Cho-repDyn (3)"

Like Matrix "15 Cho-repDyn (8)", soprano voice on the third

"17 Cho-repDyn (5)"

Like Matrix "15 Cho-repDyn (8)", soprano voice on the fifth

"18 Cho-repDyn (7+8)"

Like Matrix "15 Cho-repDyn (8)", soprano voice on the octave or on the seventh (with all seventh chords)

"21 Cho-Run key"

Available for all Instrument Groups with Chord Matrices.

Play range: C3–C5 (depending on the instrument group and played chord,some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The main part of the used Patches is based on Performance Fast Legatos, and Slurred Fast Legatos for most String ensembles.

Y-Axis Controller (vertical): Keyswitches for a choice between different runs upwards and downwards in different lengths and chord combinations. (Switches G#1–B1 are not available for the chord groups of Trumpets, Horns and Trombones due to the limited play range of these instrument groups).

C1	"up Octav"	Octave run upwards, chord in unison in octaves
C#1	"do Octav"	Octave run downwards, chord in unison in octaves
D1	"up Oc+Qi"	Octave run upwards, chord in fifths and octaves
D#1	"do Oc+Qi"	Octave run downwards, chord in fifths and octaves
E1	"up Ch-sh"	Fourth run, crossed voices: upper voices upwards, lower voices downwards
F1	"do Ch-sh"	Fourth run, crossed voices: upper voices downwards, lower voices upwards
F#1	"up Ch-me"	Octave run, crossed voices: upper voices upwards, lower voices downwards
G1	"do Ch-me"	Octave run, crossed voices: upper voices downwards, lower voices upwards
G#1	"up Ch-lo"	Run over 2 octaves, crossed voices: upper voices upwards, lower voices upwards and downwards
A1	"do Ch-lo"	Run over 2 octaves, crossed voices: upper voices downwards, lower voices downwards and upwards
A#1	"up solo"	Run over 4 octaves in unison, upwards with changing instrumentation
B1	"do solo"	Run over 4 octaves in unison, downwards with changing instrumentation

"22 Cho-Run whl"

Like Matrix "21 Cho-Run key", based on whole-tone scales

"23 Cho-Run chr"

Like Matrix "21 Cho-Run key", based on chromatic scales

"24 Cho-Run key Ext"

Like Matrix "21 Cho-Run key", based on fast Marcato Performance Patches.

> **Attention:** "Ext" Matrices are only available if the corresponding Instrument's Extended Library is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

"25 Cho-Run whl Ext"

Like Matrix "21 Cho-Run key", based on fast Marcato Performance Patches and whole-tone scales.

"26 Cho-Run chr Ext"

Like Matrix "21 Cho-Run key", based on fast Marcato Performance Patches and chromatic scales.

"31 Cho-Phr key"

Available for all instrument groups with Chord Matrices.

Play range: C3–C5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The main part of the Patches used is based on Performance Fast Legatos.

Y-Axis Controller (vertical): Keyswitches for a choice between different phrases, upwards and downwards in different chord combinations.

C1	"up Octav"	Incremental octave phrase upwards with repetition note, chord in unison, arranged in octaves
C#1	"do Octav"	Incremental octave phrase downwards with repetition note, chord in unison, arranged in octaves
D1	"up Oc+Ch"	Incremental octave phrase upwards with repetition note, arranged in triads
D#1	"do Oc+Ch"	Incremental octave phrase downwards with repetition note, arranged in triads
E1	"up Phr"	Phrase upwards, starting with repetition note, chord in unison, arranged in octaves
F1	"do Phr"	Phrase downwards, starting with repetition note, chord in unison, arranged in octaves
F#1	"up Octav"	Incremental octave phrase upwards with changed note (cambiata), chord in unison, arranged in octaves
G1	"do Octav"	Incremental octave phrase downwards with changed note (cambiata), chord in unison, arranged in octaves
G#1	"up Oc+Ch"	Incremental octave phrase upwards with changed note (cambiata), arranged in triads
A1	"do Oc+Ch"	Incremental octave phrase downwards with changed note (cambiata), arranged in triads
A#1	"up Phr"	Phrase upwards starting with changed note (cambiata), chord in unison, arranged in octaves
B1	"do Phr"	Phrase downwards with changed note (cambiata) downwards, chord in unison, arranged in octaves

"32 Cho-Phr whl"

Like Matrix "31 Cho-Phr key", based on whole-tone scales.

"33 Cho-Phr chr"

Like Matrix "31 Cho-Phr key", based on chromatic scales.

"34 Cho-Phr key Ext"

Like Matrix "31 Cho-Phr key", based on fast Marcato Performance Patches.

Attention: "Ext" Matrices are only available if the corresponding Instrument's Extended Library is available, and only for instruments that contain marcato and/or spiccato Performance Patches.

"35 Cho-Phr whl Ext"

Like Matrix "31 Cho-Phr key", based on fast Marcato Performance Patches and whole-tone scales.

"36 Cho-Phr chr Ext"

Like Matrix "31 Cho-Phr key", based on fast Marcato Performance Patches and chromatic scales.

"41 Cho-trem"

Finger tremolos available for all String and Woodwind groups with Chord Matrices and Performance Trill Patches. (Extended Library Content required!)

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer's "Sequence" tab.

Play range: C3–B5 (depending on the instrument group and played chord, some limitations in the highest play range will apply)

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major scale
Velocity 100–127: Minor harmonic scale

X-Axis Controller (horizontal): Articulations are assigned in the APP Sequencer (Cell Tab).

Y-Axis Controller (vertical): Keyswitches for a choice of different chord inversions and additional chords like diminished, augmented and ninth chords.

Pattern Matrices

Four variations, only available for Strings:

Theme 01a Leg
Theme 01b Marc
Theme 01c Walk
Theme 01d Arp

All four matrices are based on 2 bars of looped musical building blocks. These building blocks are designed as examples to show the possibilities of the APP Sequencer.

Make use of the different musical structures of this pattern also with different lengths: half a bar, a whole bar or 2 bars.

Play range: C3–B5 (depending on the Instrument Group and played chord, some limitations in the highest play range will apply)

Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:
Velocity 0–99: Major Scale
Velocity 100–127: Minor Harmonic Scale

X-Axis Controller: Articulations are assigned in the APP Sequencer (Cell Tab).

Y-Axis Controller: Keyswitches to choose between different chord inversions.

Chord Presets

The Vienna Instruments PRO 2 Chord Presets are located in a folder above the original Single Instruments folder in the Preset Browser of the corresponding instrument group.

All Cells are saved in “disabled” status (without any loaded samples). To load your Presets with all cells automatically enabled, simply activate “Force Enabled ON/OFF” in the Settings menu.

Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

Internal Reverb is activated!

Tuning Table: 12-tone

Assignment of the most essential controllers (pre-configured sliders in Basic View)

Master Volume	CC7
Velocity X-Fade	CC2
Velocity X-Fade ON/OFF switch	CC28
Dyn Range Scaler	CC30
Start Offset Scaler	CC21
Expression	CC11
Filter	CC24
Tuning	CC26 (scales Humanize Tuning Curves)
Reverb Dry/Wet	CC14
Reverb ON/OFF switch	CC15

Preset “Chords Std Set”

Contains the most important 11 Chord Matrices, based mostly on Standard Library Content.

C2	01 Chords (8)
C#2	02 Chords (3)
D2	03 Chords (5)
D#2	04 Chords (7+8)
E2	11 Cho-rep (8)
F2	12 Cho-rep (3)
F#2	13 Cho-rep (5)
G2	14 Cho-rep (7+8)
G#2	21 Cho-Run key
A2	22 Cho-Run whl
A#2	23 Cho-Run chr

Preset “Chords Full Set”

Contains all available Chord Matrices (except Phrase Matrices), therefore based on Full Library Content.

If you intend to use all matrices via Keyswitches, you will need a second keyboard for playing live!

C2 01 Chords (8)
C#2 02 Chords (3)
D2 03 Chords (5)
D#2 04 Chords (7+8)
E2 11 Cho-rep (8)
F2 12 Cho-rep (3)
F#2 13 Cho-rep (5)
G2 14 Cho-rep (7+8)
G#2 21 Cho-Run key
A2 22 Cho-Run whl
A#2 23 Cho-Run chr

C ~ 05 Chords (8) Ext
C# ~ 06 Chords (3) Ext
D ~ 07 Chords (5) Ext
D# ~ 08 Chords (7+8) Ext
E ~ 15 Cho-repDyn (8)
F ~ 16 Cho-repDyn (3)
F# ~ 17 Cho-repDyn (5)
G ~ 18 Cho-repDyn (7+8)
G# ~ 24 Cho-Run key Ext
A ~ 25 Cho-Run whl Ext
A# ~ 26 Cho-Run chr Ext

Pattern Preset Theme 01

Contains all four Pattern Matrices, only available for Strings.

C2 Theme 01a Leg
C#2 Theme 01b Marc
D2 Theme 01c Walk
D#2 Theme 01d Arp